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SIMTEK CORP
Form 424B3
August 15, 2005

Filed Pursuant to Rule 424(b)(3)
Registration No. 333-123639

Prospectus Supplement No. 2 dated August 15, 2005
(to Prospectus dated May 12, 2005)

This Prospectus Supplement No. 2 supplements and amends the Prospectus dated May 12, 2005, as supplemented and amended by Prospectus Supplement No. 1 dated May 13, 2005 (the "Prospectus"), relating to the resale of 8,126,936 shares of common stock, par value \$.01 per share, of Simtek Corporation. You should read this Prospectus Supplement No. 2 in conjunction with the Prospectus. Prospectus Supplement No. 2 is not complete without, and may not be delivered or utilized except in connection with, the Prospectus, including any amendments or supplements thereto.

Attached hereto and incorporated by reference herein is Simtek's (a) Quarterly Report on Form 10-Q for the three months ended June 30, 2005, filed with the Securities and Exchange Commission on August 15, 2005, (b) Current Report on Form 8-K filed with the Securities and Exchange Commission on May 23, 2005; and (c) Current Report on Form 8-K filed with the Securities and Exchange Commission on June 13, 2005. This Prospectus Supplement No. 2 should be read in conjunction with, and delivered with, the Prospectus and is qualified by reference to the Prospectus except to the extent that the information in this Prospectus Supplement No. 2 supersedes the information contained in the Prospectus.

The Prospectus, together with this Prospectus Supplement No. 2, constitutes the prospectus required to be delivered by Section 5(b) of the Securities Act of 1933, as amended, with respect to the offers and sales of the Simtek common stock offered hereby.

See the section of the Prospectus dated May 12, 2005 titled "Risk Factors", beginning on page 4 thereof, for certain factors relating to an investment in the shares of Simtek common stock offered hereby.

Neither the Securities and Exchange Commission nor any other state securities commission has approved or disapproved of the Simtek common stock offered hereby or passed upon the adequacy or accuracy of the Prospectus or this Prospectus Supplement No. 2. Any representation to the contrary is a criminal offense.

The date of this Prospectus Supplement No. 2 is August 15, 2005.

UNITED STATES
SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549
FORM 10-Q

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(Mark One)

- Quarterly report pursuant to section 13 or 15(d) of the Securities Exchange Act of 1934 for the Quarter ended June 30, 2005
- OR
- Transition report pursuant to section 13 or 15 (d) of the Securities Exchange Act of 1934

Commission file number 0-19027

SIMTEK CORPORATION
(Exact name of registrant as specified in its charter)

Colorado 84-1057605
(State or other jurisdiction (I.R.S. Employer Identification No.)
of incorporation or organization)

4250 Buckingham Drive, Suite 100,
Colorado Springs, Colorado 80907
(Address of principal executive offices) (Zip Code)

(719) 531-9444

Check whether the issuer (1) filed all reports required to be filed by Section 13 or 15(d) of the Exchange Act during the past 12 months (or for such shorter period that the registrant was required to file such reports), and (2) has been subject to such filing requirements for the past 90 days. Yes X No ____

Indicate by check mark whether the registrant is an accelerated filer (as defined in Rule 12b-2 of the Exchange Act). Yes _____ No X _____

The total number of shares of Common Stock issued and outstanding as of August 10, 2005 was 70,499,973.

SIMTEK CORPORATION

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For the Quarter Ended June 30, 2005

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SIMTEK CORPORATION CONDENSED CONSOLIDATED BALANCE SHEETS

	ASSETS	

		June 30, 2005

		(Unaudited)
CURRENT ASSETS:		
Cash and cash equivalents	\$ 1,721,240	
Restricted investments	3,000,000	
Accounts receivable - trade, net	972,674	
Inventory, net	1,471,765	
Prepaid expenses and other current assets	129,855	
Assets held for sale-current	274,892	

Total current assets	7,570,426	
EQUIPMENT AND FURNITURE, net	768,987	
DEFERRED FINANCING COSTS	66,386	

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OTHER ASSETS	28,350

TOTAL ASSETS	\$ 8,434,149
	=====

LIABILITES AND SHAREHOLDERS' EQUITY

CURRENT LIABILITIES:		
Accounts payable	\$ 1,544,678	
Accrued expenses	999,620	
Accrued vacation payable	149,234	
Accrued wages	101,336	
Obligation under capital leases	38,497	
Liabilities of discontinued operations	152,975	

Total current liabilities	2,986,340	
DEBENTURES, NET OF CURRENT	3,000,000	
OBLIGATIONS UNDER CAPITAL LEASES, NET OF CURRENT PORTION	--	

Total liabilities	5,986,340	
COMMITMENTS AND CONTINGENCIES		
SHAREHOLDERS' EQUITY:		
Preferred stock, \$1.00 par value; 2,000,000 shares authorized, none issued		--
Common stock, \$.01 par value; 300,000,000 shares authorized, 70,699,973 and 70,689,973 shares issued and outstanding at June 30, 2005 and 62,881,679 and 62,871,679 shares issued and outstanding at December 31, 2005		707,000
Additional paid-in capital		46,076,436
Treasury stock, at cost; 10,000 shares		(12,504)
Accumulated deficit		(44,323,123)

Total shareholders' equity		2,447,809

TOTAL LIABILITIES AND SHAREHOLDERS' EQUITY	\$ 8,434,149	
		=====

The accompanying notes are an integral part of these financial statements.

SIMTEK CORPORATION
CONDENSED CONSOLIDATED STATEMENTS OF OPERATIONS
(Unaudited)

	Three Months Ended June 30,	
	-----	-----
	2005	2004
	----	----
NET SALES	\$ 2,203,898	\$ 3,685,613
Cost of sales	1,674,769	2,378,029
	-----	-----

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GROSS MARGIN	529,129	1,307,584
OPERATING EXPENSES:		
Research and development costs	1,917,202	1,396,576
Sales and marketing	443,410	417,871
General and administrative	987,091	283,781
	-----	-----
Total operating expenses	3,347,703	2,098,228
	-----	-----
LOSS FROM CONTINUING OPERATIONS	(2,818,574)	(790,644)
OTHER INCOME (EXPENSE):		
Interest income	6,654	5,719
Interest expense	(57,301)	(59,344)
Other expense	--	(237)
	-----	-----
Total other income (expense)	(50,647)	(53,862)
	-----	-----
LOSS FROM CONTINUING OPERATIONS BEFORE PROVISION FOR INCOME TAXES	(2,869,221)	(844,506)
Provision for income taxes	--	--
	-----	-----
LOSS FROM CONTINUING OPERATIONS	(2,869,221)	(844,506)
LOSS FROM DISCONTINUED OPERATIONS	(35,714)	(85,760)
	-----	-----
NET LOSS	\$ (2,904,935)	\$ (930,266)
	=====	=====
NET LOSS PER COMMON SHARE:		
Basic and diluted		
Loss from continuing operations	\$ (.05)	\$ (.02)
Loss from discontinued operations	(.00)	(.00)
	-----	-----
Total	\$ (.05)	\$ (.02)
	=====	=====
WEIGHTED AVERAGE COMMON SHARES OUTSTANDING:		
Basic and diluted	63,226,984	57,395,172
	=====	=====

The accompanying notes are an integral part of these financial statements

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	Six Months E

	2005

CASH FLOWS FROM OPERATING ACTIVITIES:	
Net loss	\$(3,917,616)
Adjustments to reconcile net loss to net cash used in operating	
Activities:	
Depreciation and amortization	259,586
Issuance of common stock per separation and employment	
agreements	139,250
Expense related to issuance of warrants	1,288
Loss on disposal of assets	--
Net change in allowance accounts	170,113
Deferred financing fees	8,298
Changes in assets and liabilities:	
(Increase) decrease in:	
Accounts receivable	1,685,061
Inventory	388,227
Prepaid expenses and other	(26,287)
Increase (decrease) in:	
Accounts payable	(547,210)
Accrued expenses	418,222
Deferred revenue	20,000

Net cash used in operating activities	(1,401,068)
CASH FLOWS FROM INVESTING ACTIVITIES:	
Purchase of equipment and furniture, net	(235,720)

CASH FLOWS FROM FINANCING ACTIVITIES:	
Payments on notes payable and line of credit	--
Payments on capital lease obligation	(24,723)
Equity financing, net	3,944,403
Transfer to restricted cash	(3,000,000)
Proceeds from sale of common stock	108,400
Exercise of stock options	183,157

Net cash provided by financing activities	1,211,237

NET DECREASE IN CASH AND CASH EQUIVALENTS	(425,551)
CASH AND CASH EQUIVALENTS, beginning of period	2,146,791

CASH AND CASH EQUIVALENTS, end of period	\$ 1,721,240
	=====
Cash paid for interest	\$ 114,209
	=====

The accompanying notes are an integral part of these financial statements.

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SIMTEK CORPORATION NOTES TO CONDENSED CONSOLIDATED FINANCIAL STATEMENTS

1. Basis of Presentation

The financial statements included herein are presented in accordance with the requirements of Form 10-Q and consequently do not include all of the disclosures normally made in the registrant's annual Form 10-K or 10-KSB filing. These financial statements should be read in conjunction with the consolidated financial statements and notes thereto included in the Annual Report on Form 10-KSB and Form 10-KSB/A for Simtek Corporation ("Simtek" or the "Company") filed on March 17, 2005 and May 11, 2005, respectively for fiscal year 2004.

In the opinion of management, the unaudited financial statements reflect all adjustments of a normal recurring nature necessary to present a fair statement of the results of operations for the respective interim periods. The year-end balance sheet data was derived from the audited financial statements, but does not include all disclosures required by accounting principles generally accepted in the United States of America. Results of operations for the interim periods are not necessarily indicative of the results of operations for the full fiscal year. Certain previously reported amounts have been reclassified to conform to the current presentation.

Stock-Based Compensation

As permitted under the SFAS No. 123, Accounting for Stock-Based Compensation, the Company accounts for its stock-based compensation in accordance with the provisions of Accounting Principles Board (APB) Opinion No. 25, Accounting for Stock Issued to Employees. As such, compensation expense is recorded on the date of grant if the current market price of the underlying stock exceeds the exercise price. Certain pro forma net loss and EPS disclosures for employee stock option grants are included below as if the fair value method as defined in SFAS No. 123 had been applied. Transactions in equity instruments with non-employees for goods or services are accounted for by the fair value method.

Had compensation cost been determined based on the fair value at the grant dates for awards under employee stock based compensation plans consistent with the fair value method, the Company's net loss and EPS would have been increased to the pro forma amounts indicated below:

	Three Months Ended		Six Months
	June 30,		June
	2005	2004	2005
	----	----	----
Net loss as reported	\$ (2,904,935)	\$ (930,266)	\$ (3,917,616)
Add: Stock based compensation included in reported Net loss	-	-	-
Deduct: Fair value of stock based compensation	(373,196)	(207,632)	(746,391)
	-----	-----	-----
Proforma net loss	\$ (3,278,131)	\$ (1,137,898)	\$ (4,664,007)
	=====	=====	=====

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Net loss as reported - basic and diluted	\$	(.05)	\$	(.02)	\$	(.06)
Proforma net loss - basic and diluted	\$	(.06)	\$	(.02)	\$	(.07)

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SIMTEK CORPORATION NOTES TO CONDENSED CONSOLIDATED FINANCIAL STATEMENTS

The fair value of each option granted in the three and six months periods ending June 30, 2005 and 2004 were estimated on the date of grant using the Black-Scholes option-pricing model with the following:

	Six Months Ended June 30,	
	2005	2004
Expected volatility	82.93%	122.2%
Risk-free interest rate	3.54%	2.0%
Expected dividends	-	-
Expected terms (in years)	4.0	4.0

In May 2005, the Company accelerated vesting of certain unvested and out-of-the-money stock options previously awarded to employees and officers. Because the price of the Company's common stock was \$0.57 on the day of acceleration, the options, which are exercisable at \$0.62 and above, had no economic value on the date of acceleration. As a result of the acceleration, options to purchase approximately 1.7 million shares of Simtek common stock are now exercisable. Options held by non-employee directors were excluded from the vesting acceleration.

Under the recently revised Financial Accounting Standards Board Statement No. 123, "Share-Based Payment," Simtek will apply the expense recognition provisions relating to stock options beginning in the first quarter of 2006. As a result of the acceleration, the Company expects to reduce the total stock option expense it otherwise would be required to record by approximately \$506,000 in 2006, \$215,000 in 2007, and \$14,000 in 2008 on a pre-tax basis. This effect of the future expense has been shown in the proforma stock based compensation table above.

2. Liquidity

During the three and six months ended June 30, 2005 and the twelve months ended December 31, 2004, the Company incurred net losses from continuing operations of approximately \$2,869,000, \$3,850,000 and \$3,731,000, respectively and has an accumulated deficit of \$44,323,000 as of June 30, 2005. The Company was also not in compliance with its debentures throughout 2004 and the first six months of 2005, but was successful in obtaining waivers through July 1, 2006 from the debenture holders. The Company has working capital of approximately \$4,584,086 as of June 30, 2005.

On May 5, 2005, the Company closed a Production and Development Agreement with Cypress Semiconductor Corporation, or "Cypress", to jointly develop a 0.13-micron Silicon-Oxide-Nitride-Oxide-Silicon (SONOS) nonvolatile memory

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process. The Company has agreed to work with Cypress to add the SONOS nonvolatile capability to Cypress's baseline CMOS process, which is in production at its Minnesota wafer fabrication plant. The Company intends to use the technology to produce a family of 4-megabit nvSRAM and Value-Added-Memory products. In connection with the Production and Development Agreement, the Company closed a Share Purchase Agreement with Cypress on May 5, 2005, pursuant to which Cypress purchased 6,740,816 shares of the Company's common stock for \$4,000,000 and acquired a warrant to purchase 5,055,612 shares of the Company's common stock at an exercise price of \$0.7772. The warrant has a ten-year term. The Company also entered into an Escrow Agreement with Cypress pursuant to which the Company deposited \$3 million into an escrow account in order to support and make certain payments for the 0.13-micron SONOS process and product developments. This \$3 million is restricted and is unavailable for other use by the Company, unless distributed to the Company out of the escrow account per the terms of the Escrow Agreement.

The Company operates in a volatile industry, whereby its average selling prices and product costs are influenced by competitive factors. Furthermore, the Company continues to incur significant research and development costs for product development. These factors create pressures on sales, costs, earnings and cash flows, which will impact liquidity.

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SIMTEK CORPORATION NOTES TO CONDENSED CONSOLIDATED FINANCIAL STATEMENTS

If the Company is unable to achieve profitable operations in the near term, it may result in increased liquidity pressure on the Company, whereby it might be required to enter into debt or equity arrangements that may not be as otherwise favorable to the Company.

3. Recent Accounting Pronouncements

In December 2004, the FASB issued SFAS No. 123(R), "Share-Based Payment," which is a revision of SFAS No. 123, Accounting for Stock-Based Compensation. SFAS No. 123(R) is effective for public companies for annual periods beginning after June 15, 2005, supersedes APB Opinion No. 25, Accounting for Stock Issued to Employees, and amends SFAS No. 95, Statement of Cash Flows.

SFAS No. 123(R) requires all share-based payments to employees, including grants of employee stock options, to be recognized in the income statement based on their fair values. Pro-forma disclosure is no longer an alternative. The new standard will be effective for us beginning January 1, 2006. We have not yet completed our evaluation but expect the adoption to have an effect on the financial statements similar to the pro-forma effects reported above.

In November 2004, the FASB issued SFAS No. 151, "Inventory Costs an amendment of ARB No. 43, Chapter 4," which is effective for annual periods beginning after June 15, 2005.

SFAS 151 amends the guidance in ARB No. 43, Chapter 4, "Inventory Pricing," to clarify the accounting for abnormal amounts of idle facility expense, freight, handling costs, and wasted material (spoilage). This statement requires that such items be recognized as current period charges and not included as a component of inventory costs. In addition, the statement requires that fixed

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production overheads to the costs of conversion be based on the normal capacity of the production facility. The new standard will be effective for us beginning January 1, 2006. We have not yet completed our evaluation of the effect on the financial statements, but do not expect it to have a material effect.

4. Revenue Recognition

Revenue Recognition, Semiconductor Products - Product sales revenue is recognized when a valid purchase order has been received with a fixed price and the products are shipped to customers FOB origin (Colorado Springs, Colorado), including distributors. Based on historic business with the majority of the Company's customers and, in the case of new customers, the Company is reasonably assured that collectibility on our shipments will occur. Customers receive a one-year product warranty and sales to distributors are subject to a limited product exchange program and a price protection in the event of changes in the Company's product price. The Company provides a reserve for possible product returns, product price protection and warranty costs at the time the sale is recognized. The Company has a detailed procedure to ensure that its estimates for reserves are reasonable and reliable. The reserve for product returns is based on the actual inventory value of the Company's semiconductor products held by its distributors. The Company's distributors are permitted to rotate up to 5% of their stock every six months with the stipulation that they must submit a replacement order of equal dollar value to the stock that they are returning. The reserve for price protection is used when the Company authorizes special pricing to one of its distributors for a specific customer. To date, the estimates have not been materially different from the credits we have issued under these reserves.

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SIMTEK CORPORATION NOTES TO CONDENSED CONSOLIDATED FINANCIAL STATEMENTS

5. Inventories

The Company records inventory using the lower of cost (first-in, first-out) or market. Inventory at June 30, 2005 and December 31, 2004 included:

	June 30, 2005	December 31, 2004
	-----	-----
Raw Materials	\$ 45,369	\$ 68,955
Work in progress	1,036,964	1,765,044
Finished Goods	567,862	204,423
	-----	-----
	1,650,195	2,038,422
Less reserves for excess inventory	(178,430)	(168,580)
	-----	-----
	\$1,471,765	\$1,869,842
	=====	=====

6. Convertible Debentures

On July 1, 2002, the Company received funding of \$3,000,000 in a financing transaction with Renaissance Capital Growth and Income Fund III, Inc., Renaissance US Growth & Investment Trust PLC and BFSUS Special Opportunities

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Trust PLC. RENN Capital Group, Inc. is the agent for these investment funds. One of the Company's directors holds the position of Senior Vice President of RENN Capital Group. The \$3,000,000 funding consists of convertible debentures with a 7-year term at a 7.5% per annum interest rate. Each fund equally invested \$1,000,000. The holder of the debenture shall have the right, at any time, to convert all, or in multiples of \$100,000, any part of the debenture into fully paid and nonassessable shares of Simtek common stock. The debentures are convertible into Simtek common stock at \$0.312 per share, which was in excess of the market price per share on July 1, 2002. Based on the conversion rate of \$0.312 per share, it would entitle each fund to 3,205,128 shares of Simtek common stock. From March 1, 2003 through June 30, 2005, the Company was not in compliance with two of the covenants set forth in the loan agreement. These covenants relate to the interest coverage ratio and debt to equity ratio. On August 5, 2005, the Company received a waiver for the two covenants through July 1, 2006. However, significant variances in future actual operations from the Company's current estimates could result in the reclassification of this note to current liabilities. If the Company is in default of the covenants for a period of 30 days it is considered a default under the debenture agreement and the lender may declare the unpaid principal amount and all accrued interest thereon due and payable. In addition, if the Company defaults under the debenture agreement the lender may, among other things, foreclose on our collateral on which it has a security interest. The lender has a security interest in substantially all of our assets.

On June 28, 2005, the Company received a waiver from the debenture holders extending until July 1, 2006 the commencement date for principal payments of the \$3 million aggregate principal amount 7.5% convertible debentures issued by the Company in 2002. The original terms of the debentures required the Company to make monthly principal payments of \$10 per \$1,000 of the then remaining principal amount, beginning on June 28, 2005. The Company will still be required to make interest payments. Under the terms of the waiver, monthly principal payments of \$13.33 per \$1,000 of the then remaining outstanding principal amount will commence on July 1, 2006. The final maturity date remains as June 28, 2009. As consideration for the extension, the Company has issued to the debenture holders warrants to purchase 200,000 shares of Simtek common stock at \$0.50 per share, a premium to the market price on the date of the waiver. The Company estimated the value of the warrants at the time of grant, using the Black Scholes option-pricing model, to be approximately \$62,000. The Company recognized \$1,300 as additional interest expense in the three and six months ended June 30, 2005.

SIMTEK CORPORATION
 NOTES TO CONDENSED CONSOLIDATED FINANCIAL STATEMENTS

7. Geographic Concentration

Sales of the Company's semiconductor products by location for the three month and six month periods ended June 30, 2005 and 2004 were as follows:

Three Months Ended		Six Months Ended	
-----		-----	
June 30,		June 30,	
-----		-----	
2005	2004	2005	2004

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	----	----	----	----
United States	24%	26%	26%	32%
Europe	21%	10%	19%	10%
Far East	42%	45%	44%	44%
All Others	13%	19%	11%	14%
	----	----	----	----
	100%	100%	100%	100%
	=====	=====	=====	=====

8. Discontinued Operations

During the three months ended June 30, 2005, the Company committed to a plan to sell all of the assets of its subsidiary, Q-DOT, as that business no longer fits with the core operation of the Company's semiconductor business. The Company anticipates selling the assets of its subsidiary, Q-DOT, within the next twelve months. In accordance with SFAS No. 144, the consolidated financial statements of the Company have been recast to present this business as a discontinued operation. Accordingly, the revenues, the costs and expenses and assets and liabilities of the discontinued operation have been excluded from the respective captions in the Condensed Consolidated Statements of Operations and Condensed Consolidated Balance Sheets and have been reported in the various statements under the caption, "Assets held for sale-current" and "Liabilities of discontinued operations" for all periods presented. In addition, certain of the Notes to the Condensed Consolidated Financial Statements have been recast for all periods to reflect the discontinuance of this operation.

Summary results for the discontinued operation are as follows (in thousands):

Description	Three Months Ended		Six Months Ended	
	-----		-----	
	June 30,		June 30,	
	-----	-----	-----	-----
	2005	2004	2005	2004
	----	----	----	----
Operating Results:				
Revenue	\$537	\$319	\$1,036	\$882
Costs and expenses	573	405	1,104	938
	----	----	-----	----
Loss from discontinued Operation	\$ (36)	\$ (86)	\$ (68)	\$ (56)
	=====	=====	=====	=====

Amounts included in the June 30, 2005 and December 31, 2004 Condensed Consolidated Balance Sheets for the discontinued operation are as follows (in thousands):

	June 30,	December 31,
	2005	2004
	-----	-----
Assets held for sale-current:		
Accounts receivable	\$ 92	\$ 338
Prepaid expenses and other	20	46
Equipment and furniture, net	163	171
	-----	-----
Total	\$ 275	\$ 555
	=====	=====

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Liabilities of discontinued operation:

Accounts payable	\$ 31	\$ 69
Accrued expenses and other	122	257
	-----	-----
Total	\$ 153	\$ 326
	=====	=====

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SIMTEK CORPORATION

ITEM 2 MANAGEMENT'S DISCUSSION AND ANALYSIS OF FINANCIAL CONDITION AND RESULTS OF OPERATIONS

The following discussion and analysis in this quarterly report on Form 10-Q is intended to provide greater details of the results of operations and financial condition of our Company. The following discussion should be read in conjunction with our condensed consolidated financial statements and notes thereto and other financial data included elsewhere herein as well as our Annual Report and Form 10-KSB and Annual Report and Form 10-KSB/A filed on March 17, 2005 and May 11, 2005, respectively for fiscal year 2004. Certain statements under this caption constitute forward-looking statements within the meaning of Section 21E of the Securities Exchange Act of 1934, as amended (the "Exchange Act"). The reader should not place undue reliance on these forward looking statements for many reasons including those risks discussed in this document and in our Form 10-KSB and Form 10-KSB/A. In addition, when used in this quarterly report, the words "believes," "anticipates," "expects," "plans," "intends" and similar expressions are intended to identify forward-looking statements. Forward-looking statements and statements of expectations, plans and intent are subject to a number of risks and uncertainties. Actual results in the future could differ materially from those described in the forward-looking statements, as a result, among other things, of changes in technology, customer requirements and needs, among other factors. We undertake no obligation to release publicly the results of any revisions to these forward-looking statements that may be made to reflect any future events or circumstances.

CRITICAL ACCOUNTING POLICIES AND ESTIMATES

Our consolidated financial statements have been prepared in accordance with accounting principles generally accepted in the United States of America, which require us to make estimates and judgments that affect the reported amounts of assets, liabilities, revenues and expenses and the related disclosures. Our accounting policies are discussed in Note 1 of the Notes to Consolidated Financial Statements included in our 2004 Form 10-KSB and Form 10-KSB/A. The estimates used by us are based upon our historical experiences combined with our understanding of current facts and circumstances. Certain of our accounting policies are considered critical as they are both important to the portrayal of our financial condition and the results of our operations and require significant or complex judgments on our part. We believe that the following represent the critical accounting policies of Simtek as described in Financial Reporting Release No. 60, Cautionary Advice Regarding Disclosure About Critical Accounting Policies, which was issued by the Securities and Exchange Commission: inventories; deferred income taxes; allowance for doubtful accounts; and, allowance for sales returns.

The valuation of inventories involves complex judgments on our part. Excess finished goods inventories are a natural component of market demand of

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semiconductor devices. We continually evaluate and balance the levels of inventories based on sales projections, current orders scheduled for future delivery and historical product demand. While certain finished goods items will sell out, quantities of other finished goods items will remain. These finished goods are reserved as excess inventory. We believe we have adequate controls with respect to the amount of finished goods inventories that are anticipated to become excess. While we believe this process produces a fair valuation of inventories, changes in general economic conditions of the semiconductor industry could materially affect valuation of our inventories.

The allowance for doubtful accounts reflects a reserve that reduces customer accounts receivable to the net amount estimated to be collectible. Estimating the credit worthiness of customers and the recoverability of customer accounts requires us to exercise considerable judgment. In estimating uncollectible amounts, we consider factors such as industry specific economic conditions, historical customer performance and anticipated customer performance. While we believe our processes to be adequate to effectively

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quantify our exposure to doubtful accounts, changes in industry or specific customer conditions may require us to adjust our allowance for doubtful accounts.

The allowance for sales returns consists of two separate segments, distributor stock rotation and distributor price reductions. When we record the allowance, the net result reduces customer accounts receivables and gross sales. Generally, we calculate the stock rotation portion of the allowance based upon distributor inventory levels. The contracts we have with our distributors, generally allows them to return to us up to 5% of their inventory in exchange for inventory that better meets their demands. We believe that our processes to adequately predict our allowance for sales returns are effective in quantifying our exposures due to industry or specific customer conditions. At times, we are required to allow our distributors to lower the selling price of a specific device in order to meet competition. When this occurs, we record an allowance for potential credit that our distributors will be requesting. This allowance is based on approved pricing changes, inventory affected and historical data. We believe that our processes to adequately predict our allowance for distributor price reductions are effective in quantifying our exposures due to industry or specific customer conditions.

We record an allowance that directly relates to the warranty of our products for one year. The allowance for warranty return reduces our gross sales. This allowance is calculated by looking at annual revenues and historical rates of our products returned due to warranty issues. While we believe this process adequately predicts our allowance for warranty returns, changes in the manufacturing or design of our product could materially affect valuation of our warranties.

We have recorded a valuation allowance on deferred tax assets. Future operations may change our estimate in connection with potential utilization of these assets.

Overview

Total unit shipments of our semiconductor memory products were down for the three and six months ended June 30, 2005, approximately 30% and 17%, respectively, as compared to the same periods in 2004. Our net revenue was

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\$2,204,000 and \$5,180,000 for the three and six months ended June 30, 2005, respectively, compared to the \$3,686,000 and \$6,621,000, respectively, for the comparable periods of 2004. This decrease in net revenue for both periods was due primarily to a decrease in revenue from the semiconductor portion of our business. The primary reason for the decrease in revenue was due to our competitors aggressively cutting prices to our key customers, which resulted in lower average selling prices and lower unit volume for our legacy products. In addition, shipments of our .25 micron product were depressed due to poor yields which resulted in reduced product availability.

Increased operating expenses and decreased gross margins had an impact on our profitability for the three and six months ended June 30, 2005 compared to the three and six months ended June 30, 2004. Most significantly, the expenses recognized for the abnormal yields and scrap related to the .25 micron product line and expenses related to changes in management discussed below, contributed to the higher operating expenses.

As discussed in Note 8 of the Notes to Condensed Consolidate Financial statements, the Company has committed to a plan to sell all of the assets of its subsidiary, Q-DOT and has included Q-DOT as a discontinued operation. As such, all discussion of operating results relates to the semiconductor portion of our business.

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Results of Operations:

Revenues

The following table sets forth our net revenues for semiconductor devices by product markets for the three and six months ended June 30, 2005 and 2004 (in thousands):

	Three Months Ended			Six Months Ended		
	June 30,			June 30,		
	2005	2004	Variance	2005	2004	Va
Commercial	\$ 1,810	\$ 2,908	\$ (1,098)	\$ 4,217	\$ 5,408	\$
High-end industrial and military	394	778	\$ (384)	\$ 963	\$ 1,213	\$
	-----	-----	-----	-----	-----	-----
Total Semiconductor Revenue	\$ 2,204	\$ 3,686	\$ (1,482)	\$ 5,180	\$ 6,621	\$
	=====	=====	=====	=====	=====	=====

Commercial revenues include revenue generated from our legacy products (products built on silicon wafers received from Chartered Semiconductor Manufacturing Plc., or Chartered of Singapore, collectively "Chartered") and from our .25 micron products (products built on silicon wafers received from

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DongbuAnam Semiconductor or DongbuAnam, collectively "Dongbu"). Commercial revenues decreased by \$1,098,000 and \$1,191,000 for the three and six months ended June 30, 2005, respectively, as compared to the three months and six months ended June 30, 2004. The decrease was primarily due to a decrease in unit shipments and average selling prices, which was primarily due to increased price competition at our largest, high-volume customers and their subcontractors.

High-end industrial and military product saw decreases of \$384,000 and \$250,000 for the three and six months ended June 30, 2005, respectively, as compared to the same periods in 2004. The decrease was due primarily to decreased demand in the period for our nonvolatile semiconductor memory products used in on-going military contracts.

Three distributors accounted for approximately 39% of our semiconductor devices product sales for the quarter ended June 30, 2005. Products sold to distributors are sold without material recourse. Distributors sell our products to various end customers. If one of these distributors was to terminate its relationship with us, we believe that there would not be a material impact on our product sales, as other distributors would likely take their place.

We expect that revenue will increase in the next several quarters, as shipments of our .25 micron product family ramp up. Customer acceptance of our flagship .25 micron products has increased significantly in 2005. We have received 21 new design wins for this new product line in 2005. Shipments are expected to begin in the second half of 2005 and ramp up in 2006 on these new products.

Cost of Sales and Gross Margin

We recorded cost of sales for semiconductor devices of \$1,675,000 and \$3,683,000 for the three and six months ended June 30, 2005, respectively, as compared with the \$2,378,000 and \$4,491,000 for the three and six months ended June 30, 2004, respectively. These costs reflect an approximate 11% and 3% decrease in gross margin percentages for the three and six months ended June 30, 2005, respectively, as compared to the same periods in 2004. Actual gross margin percentages for the three and six months ended June 30, 2005 were 24% and 29%, respectively, as compared to gross margins percentages for the three and six months ended June 30, 2004 of 35% and 32%, respectively. The decreases were primarily due to overall lower sales volume, particularly decreased sales of our high-end industrial and military products. Production costs for our legacy commercial products decreased during the period ended June 30, 2005 as compared to the same periods in 2004, as yield improvements have finally been achieved

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from the production transfer from Chartered's wafer fabrication facility # 1 to Chartered's wafer fabrication facility # 2. We expect gross margins to improve in the second half of 2005 as a result of these cost improvements.

During the three and six months ended June 30, 2005, we purchased all of our silicon wafers to produce 0.8 micron nonvolatile static random access memory products from a single supplier, Chartered, to support sales of our nonvolatile semiconductor memory products. Sales of products built on these wafers accounted for approximately 87% and 89% of our semiconductor product revenue for the three and six months ended June 30, 2005, respectively. We purchased silicon wafers to produce our family of 1-megabit and certain 256-kilobit nonvolatile static random access memory products built on .25 micron technology from Dongbu. Sales of our semiconductor products built on .25 micron technology accounted for

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approximately 9% and 8% of our semiconductor product revenue for the three and six months ended June 30, 2005, respectively. The remaining sales were for a one-time sale of our discontinued logic products.

We expect gross margins on both our legacy and .25 micron products to improve over the next several quarters. The net yields on the silicon wafers received from Chartered over the last few months have resulted in yields significantly better and more stable than in earlier production received during the transition from Chartered's wafer fabrication facility # 1 to Chartered's wafer fabrication facility # 2. The yields are better than the historical yields from Chartered's wafer fabrication facility # 1. On the .25 micron products, the preliminary yields from the new revision of the silicon wafers are now resulting in a cost effective product.

Research and Development

We believe that continued investments into new product development are required for us to remain competitive in the markets we serve. Currently, our research and development department has been focusing on yield improvement and qualification of our new .25 micron product family. We are currently shipping our family of 1-megabit nonvolatile semiconductor memory products tested to production requirements on a provisional qualification and expect to have qualification complete in the third quarter of 2005.

Total research and development expenses were \$1,917,000 and \$3,126,000 for the three and six months ended June 30, 2005, respectively, as compared to \$1,397,000 and \$2,601,000 for the three and six months ended June 30, 2004, respectively.

The \$520,000 increase for the three month period was due to a one-time charge of \$827,000 related to the final development of our .25 micron product. The one-time charge was partially offset by decreases in payroll and payroll overhead costs of \$91,000, consulting services of \$116,000 and other product development costs of \$222,000, which were in turn offset by increases in contract services of \$28,000, equipment related costs of \$41,000, cost related to the co-development agreement with Cypress of \$49,000 and other miscellaneous expenses of \$4,000. The one-time charge related to our .25 micron product was due to abnormally low yields and high scrap due to design and process issues with the silicon wafers. We have implemented a significant new revision for the silicon wafers being produced at Dongbu and preliminary testing shows a significant improvement in both the initial silicon wafer probe yield as well as the final assembly and test yield. The improved yields result in a more cost effective product. The \$91,000 decrease in payroll and payroll overhead costs was a direct result of reduced headcount. The \$116,000 decrease in consulting services was due to a decrease in engineering work performed by our subsidiary Q-DOT for the development of our data-communication products. The \$222,000 decrease in product development costs was related to the wind down of the final development of the .25 micron product. Management expects that product development costs will increase over the next several years as development with Cypress on the new .13 micron technology accelerates.

The \$525,000 increase for the six month period was primarily due to the charges related to the development of our .25 micron product as discussed above. That charge was partially offset by decreases in payroll and payroll overhead costs of \$40,000, consulting services of \$213,000, product development costs of \$280,000 and other miscellaneous expenses of \$11,000 which were in turn

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partially offset by increases in contract services of \$60,000, equipment related costs of \$70,000 and cost related to the co-development with Cypress Semiconductor of \$49,000. The \$40,000 decrease in payroll and payroll overhead costs was a direct result of reduced headcount. The \$213,000 decrease in consulting services was due to a decrease in engineering work performed by our subsidiary Q-DOT for the development of our data-communication products. The \$280,000 decrease in product development costs was related to wind down of the final development of the .25 micron product. Management expects that costs will increase over the next several quarters as development work with Cypress on the new .13 micron technology accelerates.

General and Administration

Total general and administration expenses were \$987,000 and \$1,274,000 for the three and six months ended June 30, 2005, respectively, as compared to \$284,000 and \$531,000, respectively, for the same periods in 2004.

The \$703,000 increase for the three month period was primarily due to increases in accounting and legal expenses of \$72,000, \$77,000 increase in payroll and payroll overhead costs and \$614,000 in one-time expenses related to separation and employment agreements. These increases were partially offset by decreases of \$60,000 related to contract services, travel and bad debt. The \$743,000 increase for the six month period was due to increases in accounting and legal expenses of \$82,000, \$77,000 increase in payroll and payroll overhead costs, and \$614,000 in one-time expenses related to separation and employment agreements. These increases were partially offset by decreases of \$30,000 related to travel, board of director costs and bad debt. The increases in payroll and payroll overhead costs, in both periods, were related to increases in headcount and increases in administrative services provided by our subsidiary Q-DOT. The increases in accounting and legal expenses, in both periods, were related to increased activity related to agreements with personnel and increased securities work. The \$614,000 in one-time expenses was related to costs associated with the terms of the employment agreement for our current Chief Executive Officer and the costs associated with the separation agreement entered into with our previous Chief Executive Officer.

Marketing

Total marketing expenses were \$443,000 and \$844,000 for the three and six months ended June 30, 2005, respectively, as compared to \$418,000 and \$802,000, respectively, for the same periods in 2004.

The \$25,000 increase for the three month period was primarily due to an increase in payroll and payroll overhead costs of \$29,000, relating to expanding our sales team, advertising expenses of \$21,000 and travel expenses of \$21,000 and a decrease of \$46,000 in sales commissions due to lower sales volume.

The \$42,000 increase for the six month period was primarily due to an increase in payroll and payroll overhead costs of \$112,000, related to expanding our sales team, advertising expenses of \$17,000 and travel expenses of \$14,000 and a decrease of \$101,000 in sales commissions due to the lower sales volume.

Loss from Continuing Operations

We recorded a net loss, from continuing operations, of approximately \$2,869,000 and \$3,850,000 for the three and six months ended June 30, 2005, respectively, as compared to \$845,000 and \$1,911,000 for the three and six months ended June 30, 2004, respectively. The increases in net loss were due primarily to lower revenues, decreased gross margins and increases in operating expenses, discussed previously.

Liquidity and Capital Resources

As of June 30, 2005, we had a net working capital of \$4,584,086, including restricted cash of \$3,000,000, as compared to a net working capital of \$3,390,720 as of June 30, 2004.

On May 5, 2005, we closed a Production and Development Agreement with Cypress to jointly develop a 0.13-micron Silicon-Oxide-Nitride-Oxide-Silicon (SONOS) nonvolatile memory process. We have agreed to work with Cypress to add the SONOS nonvolatile capability to Cypress's baseline CMOS process, which is in production at its Minnesota wafer fabrication plant. We intend to use the technology to produce a family of 4-megabit nvSRAM and Value-Added-Memory products. In connection with the Production and Development Agreement, we closed a Share Purchase Agreement with Cypress on May 5, 2005, pursuant to which Cypress purchased 6,740,816 shares of our common stock for \$4,000,000 and acquired a warrant to purchase 5,055,612 shares of our common stock at an exercise price of \$0.7772. The warrant has a ten-year term. We also entered into an Escrow Agreement with Cypress pursuant to which we deposited \$3 million into an escrow account in order to support and make certain payments for the 0.13-micron SONOS process and product developments. This \$3 million is restricted and is unavailable for other use by us, unless distributed to us out of the escrow account per the terms of the Escrow Agreement.

Short-term liquidity.

Our unrestricted cash balance at June 30, 2005 was \$1,721,000.

Our future liquidity will depend on our revenue growth and our ability to sell our products at positive gross margins and to control our operating expenses. Through December 31, 2005, we expect to spend approximately \$5,000,000 for operating expenses assuming revenue growth. We expect to meet our capital needs from: the sale of Q-DOT; sales revenues; and, to the extent we do not have sufficient revenues, from our existing cash reserves. In addition, we believe that we may need additional capital in the latter part of the year, to fund anticipated revenue growth. We are evaluating several alternatives, including disposing of non-core assets, but have no binding agreement with any potential lender, investor or firm.

Long-term liquidity.

We believe that we will achieve a cash breakeven point in December 2005, as projected revenues increase and production costs for both our legacy and 25 micron nonvolatile semiconductor memory products decrease. However, in order to fund significant organic growth as well as take advantage of other potential strategic opportunities in the future, we may require additional capital resources. We are in ongoing discussions with investment banking organizations to ensure access to such capital as required.

ITEM 3 QUANTITATIVE AND QUALITATIVE DISCLOSURES ABOUT MARKET RISK

Market risk represents the risk of loss that may impact our financial position, results of operations or cash flows due to adverse changes in financial and commodity market prices and rates. We are exposed to market risk in the areas of changes in United States interest rates and changes in foreign currency exchange rates as measured against the United States dollar. These exposures are directly related to our normal operating activities. We currently have no derivative financial instruments.

Interest payable on our convertible debentures is fixed at 7.5% over the term of the debentures. As such, changes in interest rates will not affect future expenses or cash flows.

We manage interest income by investing our excess cash in cash equivalents bearing variable interest rates, which are tied to various market indices. We do not believe that near-term changes in interest rates will result in a material effect on future earnings, fair values or cash flows.

We do not speculate in the foreign exchange market and do not manage exposures that arise in the normal course of business related to fluctuations in foreign currency exchange rates by entering into offsetting positions through the use of foreign exchange forward contracts.

Average selling prices of our products have not increased significantly as a result of inflation during the past several years, primarily due to intense competition within the semiconductor industry. The effect of inflation on our costs of production has been minimized through improvements in production efficiencies. We anticipate that these factors will continue to minimize the effects of any foreseeable inflation and other price pressures within the industry and markets in which we participate.

ITEM 4 CONTROLS AND PROCEDURES

(a) Evaluation of disclosure controls and procedures.

Harold Blomquist, who serves as the Company's chief executive officer, and Brian Alleman, who serves as the Company's chief financial officer, after evaluating the effectiveness of the Company's disclosure controls and procedures as of the end of the period covered by this quarterly report (the "Evaluation Date") concluded that as of the Evaluation Date, the Company's disclosure controls and procedures were effective to ensure that information required to be disclosed by the Company in reports that it files or submits under the Exchange Act is recorded, processed, summarized and reported as specified in the SEC's rules and forms and to ensure that information required to be disclosed by the Company in reports that it files or submits under the Exchange Act is accumulated and communicated to our management to allow timely decisions regarding required disclosure.

(b) Changes in internal control over financial reporting.

There were no changes in the Company's internal control over financial reporting during the three months ended June 30, 2005, that have materially affected, or are reasonably likely to materially affect, internal control over financial reporting.

PART II. OTHER INFORMATION

Item 1. Legal Proceedings -None

Item 2. Unregistered Sales of Equity Securities and Use of Proceeds - None

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- Item 3. Defaults upon Senior Securities - None
- Item 4. Submission of Matters to a Vote of Security Holders - None
- Item 5. Other Information - None
- Item 6. Exhibits
 - 10.1 Share Purchase Agreement, dated May 4, 2005, between the Company and Cypress Semiconductor Corporation (incorporated by reference to the Company's Current Report on Form 8-K filed by the Company with the SEC on May 10, 2005)
 - 10.2 Development and Production Agreement, dated May 4, 2005, between the Company and Cypress Semiconductor Corporation (incorporated by reference to the Company's Current Report on Form 8-K filed by the Company with the SEC on May 10, 2005)
 - 10.3 Escrow Agreement, dated May 4, 2005, among the Company, Cypress Semiconductor Corporation and U.S. Bank, National Association (incorporated by reference to the Company's Current Report on Form 8-K filed by the Company with the SEC on May 10, 2005)
 - 10.4 Stock Purchase Warrant, dated May 4, 2005, from the Company to Cypress Semiconductor Corporation (incorporated by reference to the Company's Current Report on Form 8-K filed by the Company with the SEC on May 10, 2005)
 - 10.5 Registration Rights Agreement, dated May 4, 2005, between the Company and Cypress Semiconductor Corporation (incorporated by reference to the Company's Current Report on Form 8-K filed by the Company with the SEC on May 10, 2005)
 - 10.6 Separation Agreement, dated May 9, 2005, between the Company and Douglas M. Mitchell (incorporated by reference to the Company's Current Report on Form 8-K filed by the Company with the SEC on May 12, 2005)
 - 10.7 Employment agreement between the Company and Harold Blomquist (incorporated by reference to the Company's Current Report on Form 8-K filed by the Company with the SEC on May 12, 2005)
 - 10.8 Waiver Letter, dated June 28, 2005, among the Company, Q-DOT, Inc. Renaissance Capital Growth & Income Fund III, Inc., Renaissance US Growth Investment Trust PLC and BFS US Special Opportunities Trust PLC (incorporated by reference to the Company's Current Report on Form 8-K filed by the Company with the SEC on July 5, 2005)
 - 31.1 Certification pursuant to Section 302 of the Sarbanes-Oxley Act of 2002 of Principal Executive Officer
 - 31.2 Certification pursuant to Section 302 of the Sarbanes-Oxley Act of 2002 of Principal Financial Officer
 - 32.1 Certification pursuant to Section 906 of the Sarbanes-Oxley Act of 2002 of Principal Executive Officer

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32.2 Certification pursuant to Section 906 of the Sarbanes-Oxley Act of 2002 of Principal Financial Officer

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SIGNATURES

Pursuant to the requirements of the Securities Exchange Act of 1934, the Registrant has duly caused this report to be signed on its behalf by the undersigned thereunto duly authorized.

SIMTEK CORPORATION
Registrant)

August 12, 2005

By: /s/Harold Blomquist

HAROLD BLOMQUIST
Chief Executive Officer, President

August 12, 2005

By: /s/Brian Alleman

BRIAN ALLEMAN
Chief Financial Officer

CERTIFICATIONS

I, Harold Blomquist, certify that:

1. I have reviewed this Quarterly Report on Form 10-Q of Simtek Corporation;
2. Based on my knowledge, this report does not contain any untrue statement of a material fact or omit to state a material fact necessary to make the statements made, in light of the circumstances under which such statements were made, not misleading with respect to the period covered by this report;
3. Based on my knowledge, the financial statements, and other financial information included in this report, fairly present in all material respects the financial condition, results of operations and cash flows of the registrant as of, and for, the periods presented in this report;
4. The registrant's other certifying officer(s) and I are responsible for establishing and maintaining disclosure controls and procedures (as defined in Exchange Act Rules 13a-15(e) and 15d-15(e)) for the registrant and have:
 - (a) Designed such disclosure controls and procedures, or caused such disclosure controls and procedures to be designed under our supervision, to ensure that material information relating to the registrant, including its consolidated subsidiaries, is made known to us by others within those entities, particularly during the period in which this report is being prepared;
 - (b) Evaluated the effectiveness of the registrant's disclosure controls and procedures and presented in this report our conclusions about the effectiveness of the disclosure controls and procedures, as of the end of the period covered by this report based on such evaluation; and
 - (c) Disclosed in this report any change in the registrant's internal control over financial reporting that occurred during the registrant's most recent fiscal quarter (the registrant's fourth fiscal quarter in the case of an annual report) that has materially affected, or is reasonably likely to materially affect, the registrant's internal control over financial reporting; and
5. The registrant's other certifying officer(s) and I have disclosed, based on our most recent evaluation of internal control over financial reporting, to the registrant's auditors and the audit committee of the registrant's board of directors (or persons performing the equivalent functions):
 - (a) All significant deficiencies and material weaknesses in the design or operation of internal control over financial reporting which are reasonably likely to adversely affect the registrant's ability to record, process, summarize and report financial information; and
 - (b) Any fraud, whether or not material, that involves management or other employees who have a significant role in the registrant's internal control over financial reporting.

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Date: August 12, 2005

/s/Harold Blomquist

Harold Blomquist
Chief Executive Officer and President

Exhibit 31.2

CERTIFICATIONS

I, Brian Alleman, certify that:

1. I have reviewed this Quarterly Report on Form 10-Q of Simtek Corporation;
2. Based on my knowledge, this report does not contain any untrue statement of a material fact or omit to state a material fact necessary to make the statements made, in light of the circumstances under which such statements were made, not misleading with respect to the period covered by this report;
3. Based on my knowledge, the financial statements, and other financial information included in this report, fairly present in all material respects the financial condition, results of operations and cash flows of the registrant as of, and for, the periods presented in this report;
4. The registrant's other certifying officer(s) and I are responsible for establishing and maintaining disclosure controls and procedures (as defined in Exchange Act Rules 13a-15(e) and 15d-15(e)) for the registrant and have:
 - (a) Designed such disclosure controls and procedures, or caused such disclosure controls and procedures to be designed under our supervision, to ensure that material information relating to the registrant, including its consolidated subsidiaries, is made known to us by others within those entities, particularly during the period in which this report is being prepared;
 - (b) Evaluated the effectiveness of the registrant's disclosure controls and procedures and presented in this report our conclusions about the effectiveness of the disclosure controls and procedures, as of the end of the period covered by this report based on such evaluation; and
 - (c) Disclosed in this report any change in the registrant's internal control over financial reporting that occurred during the registrant's most recent fiscal quarter (the registrant's fourth fiscal quarter in the case of an annual report) that has materially affected, or is reasonably likely to materially affect, the registrant's internal control over financial reporting; and
5. The registrant's other certifying officer(s) and I have disclosed, based on our most recent evaluation of internal control over financial reporting, to the registrant's auditors and the audit committee of the registrant's board of directors (or persons performing the equivalent functions):
 - (a) All significant deficiencies and material weaknesses in the design or

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operation of internal control over financial reporting which are reasonably likely to adversely affect the registrant's ability to record, process, summarize and report financial information; and

(b) Any fraud, whether or not material, that involves management or other employees who have a significant role in the registrant's internal control over financial reporting.

Date: August 12, 2005

/s/Brian Alleman

Brian Alleman
Chief Financial Officer

Exhibit 32.1

CERTIFICATION OF CHIEF EXECUTIVE OFFICER AND PRESIDENT

PURSUANT TO 18 U.S.C. SECTION 1350,
AS ADOPTED PURSUANT TO SECTION 906 OF THE SARBANES-OXLEY ACT OF 2002

I, Harold Blomquist, certify, pursuant to 18 U.S.C. Section 1350, as adopted pursuant to Section 906 of the Sarbanes-Oxley Act of 2002, that the Quarterly Report of Simtek Corporation on Form 10-Q for the quarterly period ended June 30, 2005 fully complies with the requirements of Section 13(a) or 15(d) of the Securities Exchange Act of 1934 and that information contained in such Form 10-Q fairly presents, in all material respects, the financial condition and results of operations of Simtek Corporation.

/s/Harold Blomquist

Harold Blomquist
Chief Executive Officer and President

August 12, 2005

Exhibit 32.2

CERTIFICATION OF CHIEF FINANCIAL OFFICER
PURSUANT TO 18 U.S.C. SECTION 1350,
AS ADOPTED PURSUANT TO SECTION 906 OF THE SARBANES-OXLEY ACT OF 2002

I, Brian Alleman, certify, pursuant to 18 U.S.C. Section 1350, as adopted pursuant to Section 906 of the Sarbanes-Oxley Act of 2002, that the Quarterly Report of Simtek Corporation on Form 10-Q for the quarterly period ended June 30, 2005 fully complies with the requirements of Section 13(a) or 15(d) of the Securities Exchange Act of 1934 and that information contained in such Form 10-Q fairly presents, in all material respects, the financial condition and results of operations of Simtek Corporation.

/s/Brian Alleman

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Brian Alleman
Chief Financial Officer

August 12, 2005

UNITED STATES
SECURITIES AND EXCHANGE COMMISSION
WASHINGTON, D.C. 20549

FORM 8-K

CURRENT REPORT

PURSUANT TO SECTION 13 OR 15(d) OF
THE SECURITIES EXCHANGE ACT OF 1934

Date of Report: May 17, 2005

Simtek Corporation

(Exact Name of Registrant as Specified in Charter)

Colorado	0-19027	84-1057605
----- (State or other jurisdiction of incorporation)	----- (Commission File Number)	----- (IRS Employer Identification #)

4250 Buckingham Dr. #100
Colorado Springs, CO 80907

(Address of Principal Executive Office)

(719) 531-9444

(Registrant's telephone number, including area code)

Check the appropriate box below if the Form 8-K filing is intended to simultaneously satisfy the filing obligation of the registrant under any of the following provisions (see General Instruction A.2. below):

- Written communications pursuant to Rule 425 under the Securities Act (17 CFR 230.425)
- Soliciting material pursuant to Rule 14a-12 under the Exchange Act (17 CFR 240.14a-12)
- Pre-commencement communications pursuant to Rule 14d-2(b) under the Exchange Act (17 CFR 240.14d-2(b))
- Pre-commencement communications pursuant to Rule 13e-4(c) under the

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Exchange Act (17 CFR 240.13e-4(c))

Item 5.02. Departure of Directors or Principal Officers; Election of Directors; Appointment of Principal Officers

(c) On May 17, 2005, Mr. Blomquist was appointed acting Chief Financial Officer of Simtek Corporation (the "Company"). Mr. Blomquist is currently the President and Chief Executive Officer of the Company and has served as such since May 9, 2005. Mr. Blomquist has served as the Company's Chairman of the Board since October 2003 and has served on the Company's board of directors from 1998 to 2001 and again from 2002 through the current period. Mr. Blomquist's current term of office as a director expires in 2005. Mr. Blomquist has served as a director on the Board of Microsemi, Inc. since February 2003 and as a consultant to investors and technology companies in the semiconductor and electronic components areas. In the past, he was employed as President and Chief Executive Officer of Morpho Technologies, Inc. and Chief Executive Officer of Tower Semiconductor, USA, Inc. Mr. Blomquist served as a member of the Board of Directors of AMIS Holding Co. and as Senior Vice President of AMI Semiconductors. Prior to joining AMI in April 1990, Mr. Blomquist held positions in engineering, sales, and marketing for several semiconductor firms, including Texas Instruments, Inmos Corporation and General Semiconductor. Mr. Blomquist was granted a BSEE degree from the University of Utah and also attended the University of Houston, where he pursued a joint Juris Doctor/MBA course of study.

A brief description of the material terms of Mr. Blomquist's employment agreement with the Company is set forth in Item 5.02(c) of the current report on Form 8-K filed on May 12, 2005, which is herein incorporated by reference.

(d) On May 17, 2005, the Board of Directors of the Company elected Mr. Tom Surette to serve on the Company's Board of Directors. Mr. Surette is an executive with Cypress Semiconductor Corporation. Mr. Surette will receive the standard compensation that the directors of Simtek Corporation currently receive. At this time, Mr. Surette will not be a member of any of the Company's board committees.

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SIGNATURE

Pursuant to the requirements of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned hereunto duly authorized.

SIMTEK CORPORATION

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By: /s/ Harold A. Blomquist

Harold A. Blomquist, President, Chief
Executive Officer and Chief Financial
Officer (acting)

May 23, 2005

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UNITED STATES
SECURITIES AND EXCHANGE COMMISSION
WASHINGTON, D.C. 20549

FORM 8-K

CURRENT REPORT

PURSUANT TO SECTION 13 OR 15(d) OF
THE SECURITIES EXCHANGE ACT OF 1934

Date of Report: June 7, 2005

Simtek Corporation

(Exact Name of Registrant as Specified in Charter)

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Colorado ----- (State or other jurisdiction of incorporation)	0-19027 ----- (Commission File Number)	84-1057605 ----- (IRS Employer Identification #)
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4250 Buckingham Dr. #100
Colorado Springs, CO 80907

(Address of Principal Executive Office)

(719) 531-9444

(Registrant's telephone number, including area code)

Check the appropriate box below if the Form 8-K filing is intended to simultaneously satisfy the filing obligation of the registrant under any of the following provisions (see General Instruction A.2. below):

- Written communications pursuant to Rule 425 under the Securities Act (17 CFR 230.425)
- Soliciting material pursuant to Rule 14a-12 under the Exchange Act (17 CFR 240.14a-12)
- Pre-commencement communications pursuant to Rule 14d-2(b) under the Exchange Act (17 CFR 240.14d-2(b))
- Pre-commencement communications pursuant to Rule 13e-4(c) under the Exchange Act (17 CFR 240.13e-4(c))

Item 5.02. Departure of Directors or Principal Officers; Election of Directors; Appointment of Principal Officers

(b) On June 7, 2005, Mr. Harold Blomquist resigned his position as acting Chief Financial Officer of Simtek Corporation (the "Company").

(c) On June 7, 2005, Mr. Brian Alleman, 48, was appointed Vice President and Chief Financial Officer of the Company. Since 2002, Mr. Alleman has been a partner with Tatum CFO Partners, LLP, a national firm of career chief financial officers that provides financial solutions to companies of all sizes. From 1993 to 2002, Mr. Alleman served as Vice President and Chief Financial Officer with Centuri Corporation in Penrose, Colorado. Mr. Alleman has over twenty-five years of financial management experience. Mr. Alleman will remain a partner in Tatum CFO Partners, LLP.

For his services, Mr. Alleman will be paid \$750 per day for his actual days worked through July 31, 2005. Commencing August 1, 2005, Mr. Alleman will receive \$925 per day for his actual days worked thereafter. According to the terms of Mr. Alleman's employment, the Company and Mr. Alleman expect that Mr. Alleman will work one or two days per week for the Company. In addition, Mr. Alleman will receive options to purchase 100,000 shares of the Company's common

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stock subject to the terms of the Simtek Corporation 1994 Non-Qualified Stock Option Plan. Either the Company or Mr. Alleman may terminate Mr. Alleman's employment for any reason upon at least two weeks prior written notice. Mr. Alleman will receive a standard benefit package that is defined in the Company's personnel policies.

Item 9.01 Financial Statements and Exhibits.

(c) Exhibits.

Exhibit Number -----	Description -----
99.1	Press release of the Company, dated June 10, 2005 titled "Simtek Strengthens New Leadership Team Appointing Brian Alleman of Tatum Partners as CFO".

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SIGNATURE

Pursuant to the requirements of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned hereunto duly authorized.

SIMTEK CORPORATION

By: /s/ Harold Blomquist

Harold Blomquist, President and Chief
Executive Officer

June 13, 2005

EXHIBIT INDEX

Exhibit Number	Description
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99.1	Press release of the Company, dated June 10, 2005 titled "Simtek Strengthens New Leadership Team Appointing Brian Alleman of Tatum Partners as CFO".

SIMTEK STRENGTHENS NEW LEADERSHIP TEAM APPOINTING
BRIAN ALLEMAN OF TATUM PARTNERS AS CFO

Management's Mandate: Stimulate and Manage Growth, Build Shareholder Value,
Improve Financial Management, and Seek New Niche Opportunities

COLORADO SPRINGS, Colo., June 10 -- Simtek Corporation (OTC Bulletin Board: SRAM), a global provider of advanced nonvolatile semiconductor memory products, today announced the appointment of Brian P. Alleman as its new vice president and chief financial officer.

Mr. Alleman, 48, is a partner in the Denver office of Tatum CFO Partners, LLP ("Tatum"), a national firm of experienced Chief Financial Officers serving as full-time, part-time, interim, project, or on-staff professionals to provide financial solutions and CFO support to companies undertaking significant change. Alleman has over 25 years of experience in financial management, with 10 years of experience in leading international accounting firms. For 9 years prior to joining Tatum, Mr. Alleman served as Vice President and Chief Financial Officer with Centuri Corporation in Penrose, Colorado. Mr. Alleman will remain a partner in Tatum, which will allow Simtek access to a variety of professional resources provided by Tatum to its clients.

"I have watched Simtek for some time and I am intrigued with its technology and recently announced agreement with Cypress Semiconductor (NASDAQ: CY). I look forward to working with Harold Blomquist and the management team at Simtek, to increase revenue, bring the company to profitability, and increase shareholder value," Alleman said.

Harold Blomquist, Chairman and CEO stated, "The board is pleased to be able to attract a CFO of the caliber of Mr. Alleman. In his past capacities he assisted his clients in areas of cash and financial management, reporting and regulatory compliance, strategic planning, and managing and developing relationships with the broader financial community. I look forward to working with Brian as part of the Simtek leadership team."

About Simtek Corporation

Simtek Corporation designs and markets fast, re-programmable, nonvolatile semiconductor memory products, for use in a variety of systems such as High Performance Workstations, GPS Navigational Systems, Robotics, Copiers and Printers, Broadcast Equipment and many others. Information on Simtek products can be obtained from its web site: www.simtek.com; email: information@simtek.com; by calling (719) 531-9444; or fax (719) 531-9481. The company is headquartered in Colorado Springs, Colorado, with international sales and marketing channels. Simtek is listed under the symbol SRAM on the OTC Electronic Bulletin Board.

Forward-Looking Statements

This press release contains forward-looking statements within the meaning of Section 27A of the Securities Act of 1933, as amended, and Section 21E of the Securities Exchange Act of 1934, as amended, including statements predicting Simtek's future growth. These forward-looking statements are inherently difficult to predict and involve risks and uncertainties that could cause actual results to differ materially, including, but not limited to, projections of

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future performance including predictions of future profitability; expectations of the business environment in which Simtek operates; current and anticipated increased demand for our products; the level and timing of orders that we receive and that we can deliver in a specified period; levels of inventories at our distributors and other customers; inventory mix and timing of customer orders; the success of cost-reduction efforts; our timely introduction and the market acceptance of new technologies and products; maintaining or improving our level of product shipments; our ability to obtain any required financing in a timely manner; and factors not directly related to Simtek, such as competitive pressures on pricing, market conditions in general, competition, technological progression, product obsolescence, and the changing needs of potential customers and the semiconductor industry in general; and current political conditions and negative trends in the global economy. For a detailed discussion of these and other risk factors, please refer to Simtek's filings with the Securities and Exchange Commission (SEC), including its Annual Report on Form 10-KSB and subsequent Form 10-Q and Form 8-K filings.

Company Contact:

Brian Alleman phone (719) 531-9444 or fax (719) 531-9481