FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington,	D.C. 20549
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STATEMENT	OF CHANGES	IN BENEFICIAL	OWNERSHIP
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OMB APPRO	OVAL				
OMB Number:	3235-0287				
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hours per response:	0.5				

Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940

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1. Name and Address of Reporting Person*			2. Issuer Name and Ticker or Trading Symbol SENESCO TECHNOLOGIES INC [SNT]								5. Relationship of Reporting Person(s) to Issuer (Check all applicable)						
STALDER RUEDI				_ ا _	SENESCO TECHNOLOGIES INC [SN1]						3	Director	10% O		6 Owr	ner	
(Last) (First) (Middle)				3. Date of Earliest Transaction (Month/Day/Year)							\dashv	Officer (below)	(give title Othe below		ier (sp ow)	ecify	
303 GEORGE STREET				0	05/20/2010												
SUITE 4	20																
				4.	4. If Amendment, Date of Original Filed (Month/Day/Year)							6. Individual or Joint/Group Filing (Check Applicable					
(Street)												Line)		ed by One F	Penortina P	erson	
NEW	N	J	08901											ed by More			na
BRUNS	WICK												Person	ou 2,o.o		ороги	9
(City)	(S	itate)	(Zip)														
		Ta	ble I - Non-D	erivati	ve Se	ecurities	Acc	juired, D	isp	osed of	, or Ben	eficially	Owned				
		Da		h/Day/Year) Exe		2A. Deemed Execution Date, if any (Month/Day/Year)		3. Transaction Code (Instr. 8) 4. Securities Acquired (A) Disposed Of (D) (Instr. 3, 4)			5. Amoun Securities Beneficia Owned Fo	S F lly (ollowing (i. Ownership Form: Direct D) or Indirect I) (Instr. 4)	t B	7. Nature of Indirect Beneficial Ownership		
								Code	,	Amount	(A) or (D)	Price	Transacti (Instr. 3 a	on(s)		"	Instr. 4)
			Table II - De (e.			urities <i>A</i> ls, warra							Owned			,	
1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Date, if any (Month/Day/Year)	4. Transaction Code (Instr.		5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)		6. Date Exercisable and Expiration Date (Month/Day/Year)		7. Title and Amount of Securities Underlying Derivative Security (Instr. 3 and 4)		8. Price of Derivative Security (Instr. 5)	9. Number of derivative Securities Beneficially Owned Following Reported	Owne Form: Direct or Ind (I) (Ins	(D) rect	11. Nature of Indirect Beneficial Ownership (Instr. 4)	
												Amount or		Transactior (Instr. 4)	1(5)		
				Code	\v	(A)	(D)	Date Exercisabl		Expiration Date	Title	Number of Shares					
Common				-	<u> </u>		-		+			-			\dashv		
Stock Option	\$0.61	05/20/2010		A		20,082 ⁽¹⁾		05/20/2010	0	05/20/2020	Common Stock	20,082	\$0	909,951	Г		

Explanation of Responses:

1. Such options were issued to Mr. Stalder in lieu of cash compensation under the Companies's independent director compensation plan for the quarter ended March 31, 2010.

Ruedi Stalder 05/24/2010

** Signature of Reporting Person Date

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

- * If the form is filed by more than one reporting person, see Instruction 4 (b)(v).
- ** Intentional misstatements or omissions of facts constitute Federal Criminal Violations See 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, see Instruction 6 for procedure.

Persons who respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB Number.