

PROCESSED APR 28 2008 THOMSON REUTERS

FORM D NOTICE OF SALE OF SECURITIES PURSUANT TO REGULATION D, SECTION 4(6) AND/OR UNIFORM LIMITED OFFERING EXEMPTION

1307562

SEC USE ONLY table with columns for Prefix, Serial, and Date Received.

Name of Offering (BlueShift Technologies, Inc.) Sale and Issuance of Series B Preferred Stock Filing Under (Rule 506 checked) Type of Filing (New Filing checked)

A. BASIC IDENTIFICATION DATA

1. Enter the information requested about the issuer Name of Issuer (BlueShift Technologies, Inc.) Address of Executive Offices (3 Riverside Drive, Andover, Massachusetts 01810) Telephone Number (978) 691-4200

Brief Description of Business Design and manufacture of semiconductor manufacturing equipment.

Type of Business Organization (corporation checked) Actual or Estimated Date of Incorporation or Organization (Month 1, Year 04)



Jurisdiction of Incorporation or Organization: (D checked) CN for Canada; FN for other foreign jurisdiction

GENERAL INSTRUCTIONS

Federal: Who Must File: When to File: Where to File: Copies Required: Information Required: Filing Fee: There is no federal filing fee.

State: This notice shall be used to indicate reliance on the Uniform Limited Offering Exemption (ULOE) for sales of securities in those state that have adopted ULOE and that have adopted this form.

ATTENTION

Failure to file notice in the appropriate states will not result in a loss of the federal exemption. Conversely, failure to file the appropriate federal notice will not result in a loss of an available state exemption unless such exemption is predicated on the filing of a federal notice.

A. BASIC IDENTIFICATION DATA

2. Enter the information requested for the following:

- Each promoter of the issuer, if the issuer has been organized within the past five years;
- Each beneficial owner having the power to vote or dispose, or direct the vote or disposition of, 10% or more of a class of equity securities of the issuer;
- Each executive officer and director of corporate issuers and of corporate general and managing partners of partnership issuers; and
- Each general and managing partner of partnership issuers.

Check Box(es) that Apply: Promoter Beneficial Owner Executive Officer Director General and/or Managing Partner

Full Name (Last name first, if individual)

Melanson, Richard

Business or Residence Address (Number and Street, City, State, Zip Code)

c/o BlueShift Technologies, Inc., 3 Riverside Drive, Andover, Massachusetts 01810

Check Box(es) that Apply: Promoter Beneficial Owner Executive Officer Director General and/or Managing Partner

Full Name (Last name first, if individual)

Drolet, Tyler

Business or Residence Address (Number and Street, City, State, Zip Code)

c/o BlueShift Technologies, Inc., 3 Riverside Drive, Andover, Massachusetts 01810

Check Box(es) that Apply: Promoter Beneficial Owner Executive Officer Director General and/or Managing Partner

Full Name (Last name first, if individual)

van der Meulen, Peter

Business or Residence Address (Number and Street, City, State, Zip Code)

c/o BlueShift Technologies, Inc., 3 Riverside Drive, Andover, Massachusetts 01810

Check Box(es) that Apply: Promoter Beneficial Owner Executive Officer Director General and/or Managing Partner

Full Name (Last name first, if individual)

D'Amore, Richard

Business or Residence Address (Number and Street, City, State, Zip Code)

c/o BlueShift Technologies, Inc., 3 Riverside Drive, Andover, Massachusetts 018106

Check Box(es) that Apply: Promoter Beneficial Owner Executive Officer Director General and/or Managing Partner

Full Name (Last name first, if individual)

Bichara, Axel

Business or Residence Address (Number and Street, City, State, Zip Code)

c/o BlueShift Technologies, Inc., 3 Riverside Drive, Andover, Massachusetts 01810

Check Box(es) that Apply: Promoter Beneficial Owner Executive Officer Director General and/or Managing Partner

Full Name (Last name first, if individual)

Simone, Peter

Business or Residence Address (Number and Street, City, State, Zip Code)

c/o BlueShift Technologies, Inc., 3 Riverside Drive, Andover, Massachusetts 01810

Check Box(es) that Apply: Promoter Beneficial Owner Executive Officer Director General and/or Managing Partner

Full Name (Last name first, if individual)

Low, Paul

Business or Residence Address (Number and Street, City, State, Zip Code)

c/o BlueShift Technologies, Inc., 3 Riverside Drive, Andover, Massachusetts 018106

Check Box(es) that Apply: Promoter Beneficial Owner Executive Officer Director General and/or Managing Partner

Full Name (Last name first, if individual)

Richstone, Ellen

Business or Residence Address (Number and Street, City, State, Zip Code)

(Use blank sheet, or copy and use additional copies of this sheet, as necessary.)

c/o BlueShift Technologies, Inc., 3 Riverside Drive, Andover, Massachusetts 01810

Check Box(es) that Apply: Promoter Beneficial Owner Executive Officer Director General and/or Managing Partner

Full Name (Last name first, if individual)

North Bridge Venture Partners V-A, L.P.

Business or Residence Address (Number and Street, City, State, Zip Code)

950 Winter Street, Suite 4600, Waltham, Massachusetts 02451

Check Box(es) that Apply: Promoter Beneficial Owner Executive Officer Director General and/or Managing Partner

Full Name (Last name first, if individual)

Intel Capital Corporation

Business or Residence Address (Number and Street, City, State, Zip Code)

c/o Intel Corporation, 2200 Mission College Blvd., M/S RN6-46, Santa Clara, California 95052

Check Box(es) that Apply: Promoter Beneficial Owner Executive Officer Director General and/or Managing Partner

Full Name (Last name first, if individual)

Atlas Venture Fund VI, L.P.

Business or Residence Address (Number and Street, City, State, Zip Code)

890 Winter Street, Suite 320, Waltham, Massachusetts 02451

Check Box(es) that Apply: Promoter Beneficial Owner Executive Officer Director General and/or Managing Partner

Full Name (Last name first, if individual)

Business or Residence Address (Number and Street, City, State, Zip Code)

Check Box(es) that Apply: Promoter Beneficial Owner Executive Officer Director General and/or Managing Partner

Full Name (Last name first, if individual)

Business or Residence Address (Number and Street, City, State, Zip Code)

B. INFORMATION ABOUT OFFERING

1. Has the issuer sold, or does the issuer intend to sell, to non accredited investors in this offering?..... Yes No

Answer also in Appendix, Column 2, if filing under ULOE.

2. What is the minimum investment that will be accepted from any individual?..... \$ N/A*
 * Subject to the discretion of the Issuer. Yes No

3. Does the offering permit joint ownership of a single unit?.....

4. Enter the information requested for each person who has been or will be paid or given, directly or indirectly, any commission or similar remuneration for solicitation of purchasers in connection with sales of securities in the offering. If a person to be listed is an associated person or agent of a broker or dealer registered with the SEC and/or with a state or states, list the name of the broker or dealer. If more than five (5) persons to be listed are associated persons of such a broker or dealer, you may set forth the information for that broker or dealer only.

N/A

Full Name (Last name first, if individual)

Business or Residence Address (Number and Street, City, State, Zip Code)

Name of Associated Broker or Dealer

States in Which Person Listed Has Solicited or Intends to Solicit Purchasers

(Check "All States" or check individual States)..... All States

[AL]	[AK]	[AZ]	[AR]	[CA]	[CO]	[CT]	[DE]	[DC]	[FL]	[GA]	[HI]	[ID]
[IL]	[IN]	[IA]	[KS]	[KY]	[LA]	[ME]	[MD]	[MA]	[MI]	[MN]	[MS]	[MO]
[MT]	[NE]	[NV]	[NH]	[NJ]	[NM]	[NY]	[NC]	[ND]	[OH]	[OK]	[OR]	[PA]
[RI]	[SC]	[SD]	[TN]	[TX]	[UT]	[VT]	[VA]	[WA]	[WV]	[WI]	[WY]	[PR]

Full Name (Last name first, if individual)

Business or Residence Address (Number and Street, City, State, Zip Code)

Name of Associated Broker or Dealer

States in Which Person Listed Has Solicited or Intends to Solicit Purchasers

(Check "All States" or check individual States)..... All States

[AL]	[AK]	[AZ]	[AR]	[CA]	[CO]	[CT]	[DE]	[DC]	[FL]	[GA]	[HI]	[ID]
[IL]	[IN]	[IA]	[KS]	[KY]	[LA]	[ME]	[MD]	[MA]	[MI]	[MN]	[MS]	[MO]
[MT]	[NE]	[NV]	[NH]	[NJ]	[NM]	[NY]	[NC]	[ND]	[OH]	[OK]	[OR]	[PA]
[RI]	[SC]	[SD]	[TN]	[TX]	[UT]	[VT]	[VA]	[WA]	[WV]	[WI]	[WY]	[PR]

Full Name (Last name first, if individual)

Business or Residence Address (Number and Street, City, State, Zip Code)

Name of Associated Broker or Dealer

States in Which Person Listed Has Solicited or Intends to Solicit Purchasers

(Check "All States" or check individual States)..... All States

[AL]	[AK]	[AZ]	[AR]	[CA]	[CO]	[CT]	[DE]	[DC]	[FL]	[GA]	[HI]	[ID]
[IL]	[IN]	[IA]	[KS]	[KY]	[LA]	[ME]	[MD]	[MA]	[MI]	[MN]	[MS]	[MO]
[MT]	[NE]	[NV]	[NH]	[NJ]	[NM]	[NY]	[NC]	[ND]	[OH]	[OK]	[OR]	[PA]
[RI]	[SC]	[SD]	[TN]	[TX]	[UT]	[VT]	[VA]	[WA]	[WV]	[WI]	[WY]	[PR]

C. OFFERING PRICE, NUMBER OF INVESTORS, EXPENSES AND USE OF PROCEEDS

1. Enter the aggregate offering price of securities included in this offering and the total amount already sold. Enter "0" if answer is "none" or "zero." If the transaction is an exchange offering, check this box and indicate in the columns below the amounts of the securities offered for exchange and already exchanged

Type of Security	Aggregate Offering Price	Amount Already Sold
Debt	\$ _____	\$ _____
Equity	<u>\$12,000,000.00</u>	<u>\$3,500,000.55</u>
<input type="checkbox"/> Common <input checked="" type="checkbox"/> Preferred		
Convertible Securities (including warrants)	\$ _____	\$ _____
Partnership Interests	\$ _____	\$ _____
Other (Specify _____)	\$ _____	\$ _____
Total	<u>\$12,000,000.00</u>	<u>\$3,500,000.55</u>

_____ Answer also in Appendix, Column 3, if filing under ULOE.

2. Enter the number of accredited and non-accredited investors who have purchased securities in this offering and the aggregate dollar amounts of their purchases. For offerings under Rule 504, indicate the number of persons who have purchased securities and the aggregate dollar amount of their purchases on the total lines. Enter "0" if answer is "none" or "zero."

	Number Investors	Aggregate Dollar Amount of Purchases
Accredited Investors	<u>6</u>	<u>\$3,500,000.55</u>
Non-accredited Investors	<u>0</u>	<u>\$ N/A</u>
Total (for filings under Rule 504 only)	_____	\$ _____

_____ Answer also in Appendix, Column 4, if filing under ULOE.

3. If this filing is for an offering under Rule 504 or 505, enter the information requested for all securities sold by the issuer, to date, in offerings of the types indicated, the twelve (12) months prior to the first sale of securities in this offering. Classify securities by type listed in Part C - Question 1.

Type of offering	Type of Security	Dollar Amount Sold
Rule 505	_____	\$ _____
Regulation A	_____	\$ _____
Rule 504	_____	\$ _____
Total	_____	\$ _____

4. a. Furnish a statement of all expenses in connection with the issuance and distribution of the securities in this offering. Exclude amounts relating solely to organization expenses of the issuer. The information may be given as subject to future contingencies. If the amount of an expenditure is not known, furnish an estimate and check the box to the left of the estimate.

Transfer Agent's Fees	<input type="checkbox"/>	\$ _____
Printing and Engraving Costs	<input type="checkbox"/>	\$ _____
Legal Fees	<input checked="" type="checkbox"/>	<u>\$32,500.00</u>
Accounting Fees	<input type="checkbox"/>	\$ _____
Engineering Fees	<input type="checkbox"/>	\$ _____
Sales Commissions (specify finders' fees separately)	<input type="checkbox"/>	\$ _____
Other Expenses (identify) <u>Blue Sky Fees</u>	<input type="checkbox"/>	<u>\$ 800.00</u>
Total	<input checked="" type="checkbox"/>	<u>\$33,300.50</u>

C. OFFERING PRICE, NUMBER OF INVESTORS, EXPENSES AND USE OF PROCEEDS

b. Enter the difference between the aggregate offering price given in response to Part C - Question 1 and total expenses furnished in response to Part C - Question 4.a. This difference is the "adjusted gross proceeds to the issuer." \$11,966,700.00

5. Indicate below the amount of the adjusted gross proceeds to the issuer used or proposed to be used for each of the purposes shown. If the amount for any purpose is not known, furnish an estimate and check the box to the left of the estimate. The total of the payments listed must equal the adjusted gross proceeds to the issuer set forth in response to Part C - Question 4.b above.

	Payments to Officers, Directors, & Affiliates	Payments To Others
Salaries and fees	<input type="checkbox"/> \$ _____	<input type="checkbox"/> \$ _____
Purchase of real estate	<input type="checkbox"/> \$ _____	<input type="checkbox"/> \$ _____
Purchase, rental or leasing and installation of machinery and equipment	<input type="checkbox"/> \$ _____	<input type="checkbox"/> \$ _____
Construction or leasing of plant buildings and facilities	<input type="checkbox"/> \$ _____	<input type="checkbox"/> \$ _____
Acquisition of other businesses (including the value of securities involved in this offering that may be used in exchange for the assets or securities of another issuer pursuant to a merger).....	<input type="checkbox"/> \$ _____	<input type="checkbox"/> \$ _____
Repayment of indebtedness	<input type="checkbox"/> \$ _____	<input type="checkbox"/> \$ _____
Working Capital	<input type="checkbox"/> \$ _____	<input checked="" type="checkbox"/> \$11,966,700.00
Other (specify): _____	<input type="checkbox"/> \$ _____	<input type="checkbox"/> \$ _____
_____	<input type="checkbox"/> \$ _____	<input type="checkbox"/> \$ _____
_____	<input type="checkbox"/> \$ _____	<input type="checkbox"/> \$ _____
Column Totals	<input type="checkbox"/> \$ _____	<input checked="" type="checkbox"/> \$11,966,700.00
Total Payments Listed (Column totals added)		<input checked="" type="checkbox"/> \$11,966,700.00

D. FEDERAL SIGNATURE

The issuer has duly caused this notice to be signed by the undersigned duly authorized person. If this notice is filed under Rule 505, the following signature constitutes an undertaking by the issuer to furnish to the U.S. Securities and Exchange Commission, upon written request of its staff, the information furnished by the issuer to any non-accredited investor pursuant to paragraph (b)(2) of Rule 502.

Issuer (Print or Type) BlueShift Technologies, Inc.	Signature 	Date April <u>14</u> , 2008
Name of Signer (Print or Type) Richard Melanson	Title of Signer (Print or Type) President and Chief Executive Officer	

ATTENTION

Intentional misstatements or omissions of fact constitute federal criminal violations. (See 18 U.S.C. 1001.)

END