

Jazz Technologies, Inc.  
Form 425  
May 21, 2008

---

---

Filed by Tower Semiconductor Ltd.  
Pursuant to Rule 425 under the Securities Act of 1933  
And Deemed Filed Pursuant to Rule 14a-12  
Under the Securities Exchange Act of 1934  
Filer's Commission File No. 000-24790

Subject Company: Jazz Technologies, Inc.  
Commission File No. 001-32832

The slides contained in this filing were presented to analysts on May 20, 2008, by Russell C. Ellwanger, the Chief Executive Officer of Tower Semiconductor Ltd. ( Tower ), Oren Shirazi, the Chief Financial Officer of Tower, and other executives of Tower, and Paul Pittman the Chief Financial Officer of Jazz Technologies, Inc.

---

---

**Tower Semiconductor  
and  
Jazz Technologies**

**Creating the Leading Specialty Foundry**

---

---

**Forward Looking Statements**

The information presented today contains forward-looking statements that relate to anticipated future operating results. Those statements are based on management's current expectations and assumptions, which may be affected by subsequent developments and business conditions, and necessarily involve risks and uncertainties. Therefore, there can be no assurance that actual future results will not differ materially from anticipated results.

For a discussion of risks and uncertainties that may affect the accuracy of forward-looking statements or which may otherwise affect our business, please see the information included under the heading "Risk Factors" in our most recent filings on Forms 20-F, F-1, F-3 and 6-K, as were filed with the Securities and Exchange Commission and the Israel Securities Authority

2

---

---

**Transaction Overview**

**Tower Semiconductor has signed a definitive agreement to acquire  
Jazz Technologies in a stock-for-stock transaction**

Edgar Filing: Jazz Technologies, Inc. - Form 425

Jazz shareholders to receive 1.8 shares of Tower for each Jazz share

Implies \$40 million in value based on Tower's closing price of \$1.16

Customary closing conditions including Jazz shareholder approval

Expected to close in 2<sup>nd</sup> half 2008

**Merger is expected to create the leading pure-play  
specialty foundry and #7 overall pure-play foundry**

3

---

---

**Creating the Leading Specialty Foundry**

**Synergies of Value Add Technologies Enables Higher Margins**

**Increased Capacity and Scale to Attract Larger Customers**

**Leadership In Specialty Process Technologies:**

**CMOS Image Sensor, SiGe, Power Mgmt, NVM, RF-CMOS, BCD**

**Diverse Customer Base in High Growth Markets**

**Significant Synergy Potential Both on Revenues and Expenses**

**Global Presence Improves Geographic Reach and Distribution**

4

---

---

**Creating the Leading Specialty Foundry**

**Synergies of Value Add Technologies Enables Higher Margins**

**Increased Capacity and Scale to Attract Larger Customers**

**Leadership In Specialty Process Technologies:**

**CMOS Image Sensor, SiGe, Power Mgmt, NVM, RF-CMOS, BCD**

**Diverse Customer Base in High Growth Markets**

**Significant Synergy Potential Both on Revenues and Expenses**

**Global Presence Improves Geographic Reach and Distribution**

**Global Infrastructure**

**Migdal HaEmek, Israel**

8 Fab & 6 Fab

**Newport Beach, CA**

8 Fab

**Shanghai, China**

HHNEC: 10% ownership

ASMC: supply agreement

**UK & Holland**

Sales reps

**Santa Clara, CA**

Sales office

**Hsinchu, Taiwan**

Rep. office

**Tokyo, Japan**

Rep. office

**UK**

Sales office

**200K WPY**

**480K WPY**

**~70K WPY**

**Total 8 equivalent capacity of**

**~750K WPY**

**3rd Largest Pure Play Specialty Foundry**

\$155

CSMC

\$157

Mosel Vitelics

\$170

ASMC

\$335

HHNEC

\$330

He Jian

\$214

Grace

\$185

Silterra

\$350

SSMC

\$410

X-Fab

**\$438**

\$486

Vanguard

\$510

Dongbu

**2007 Sales (\$M)**

**Company**

Tower / Jazz is Pro Forma

Source: IC Insights 5/2008

7

---

---

**Creating the Leading Specialty Foundry**

**Synergies of Value Add Technologies Enables Higher Margins**

**Increased Capacity and Scale to Attract Larger Customers**

**Leadership In Specialty Process Technologies:**

**CMOS Image Sensor, SiGe, Power Mgmt, NVM, RF-CMOS, BCD**

**Diverse Customer Base in High Growth Markets**

**Significant Synergy Potential Both on Revenues and Expenses**

**Global Presence Improves Geographic Reach and Distribution**

8

---

---

**Post Merger Process Portfolio Lineup**

**Technology Node**

**From Jazz**

**From Tower**

**Tower/Jazz**

**0.35 $\mu$ m**

**BiCMOS, SiGe**

**Mixed Signal**

**Digital CMOS**

**0.16 / 0.13 $\mu$ m**

**SiGe**

**Power/BCD (40V)**

**0.18 $\mu$ m**

**SiGe**

**Mixed Signal**

**Digital CMOS**

**BCD (40V)**

**0.25 $\mu$ m**

**SiGe**

**Mixed Signal**

**Digital CMOS**

**Mixed Signal**

**Digital CMOS**

**0.50 $\mu$ m**

**Mixed Signal**

**Digital CMOS**

**Image Sensor**

**( X-Ray & Visible)**

**eNVM**

**eNVM**

**RF CMOS**

**RFCMOS**

**Image Sensor  
(X-Ray & Visible)**

**Image Sensor  
(X-Ray & Visible)**

**RF CMOS**

**BCD (40V)**

**RF CMOS**

**Power/ BCD (40V)**

9

---

---

**Creating the Leading Specialty Foundry**

**Synergies of Value Add Technologies Enables Higher Margins**

**Increased Capacity and Scale to Attract Larger Customers**

**Leadership In Specialty Process Technologies:**

**CMOS Image Sensor, SiGe, Power Mgmt, NVM, RF-CMOS, BCD**

**Diverse Customer Base in High Growth Markets**

**Significant Synergy Potential Both on Revenues and Expenses**

**Global Presence Improves Geographic Reach and Distribution**

10

---

---

**Foundry Revenue Growth Y/Y**

NA

1st Silicon

NA

1st Silicon

NA

Mosel-Vitelic

NA

Mosel-Vitelic

20

NA

Mosel-Vitelic

-5%

Chartered

NA

1st Silicon

-31%

Grace

19

7%

HHNEC

0%

ASMC

1%

HHNEC

-26%

Vanguard

18

15%

UMC

1%

Mosel-Vitelic

6%

Polar Semi.



-24%

**Tower**

17

16%

Jazz

1%

TSMC

7%

Jazz

-16%

UMC

16

17%

**Polar Semi.**

2%

UMC

13%

UMC

-15%

**1st Silicon**

15

19%

TSMC

6%

**HHNEC**

13%

Edgar Filing: Jazz Technologies, Inc. - Form 425

Vanguard

-13%

Silterra

14

25%

SSMC

6%

SMIC

16%

He Jian

-10%

Jazz

13

28%

Chartered

8%

Jazz

16%

SSMC

-9%

ASMC

12

32%

He Jian

8%

SSMC

Edgar Filing: Jazz Technologies, Inc. - Form 425

19%

TSMC

-3%

HHNEC

11

33%

SMIC

11%

Polar Semi.

19%

Silterra

-3%

CSMC Tech.

10

37%

Vanguard

12%

Dongbu

25%

SMIC

-2%

Polar Semi.

9

42%

Silterra

12%

Edgar Filing: Jazz Technologies, Inc. - Form 425

Grace

31%

Dongbu

3%

Chartered

8

47%

Dongbu

14%

He Jian

32%

Others

7%

TSMC

7

49%

ASMC

17%

Others

35%

Chartered

8%

SSMC

6

55%

Others

Edgar Filing: Jazz Technologies, Inc. - Form 425

19%

Silterra

44%

X-Fab

9%

He Jian

5

99%

CSMC Tech.

22%

Vanguard

46%

CSMC Tech.

14%

X-Fab

4

103%

X-Fab

**24%**

**Tower**

49%

ASMC

20%

SMIC

3

114%

Grace

36%

CSMC Tech.

91%

Grace

38%

Others

2

**146%**

**Tower**

41%

X-Fab

**99%**

**Tower**

52%

Dongbu

1

**07vs05**

**07vs06**

**06vs05**

**05vs04**

Source: The McLean Report, 2008 edition

11

---

**Diverse Customer Base**

**No customer overlap out of the top 20 and only three out of the top 50**

12

---

---

### **Combined Company Snapshot**

TSEM (NASDAQ & Tel Aviv Stock Exchange)

#### **Ticker**

AIMS (Analog Intensive Mixed Signal)

PDK (Physical Design Kits)

Embedded Flash MTP&OTP Solutions

#### **IP Leadership**

SiGe/BiCMOS 0.35 to 0.13u

Analog CMOS/RFCMOS/BCD 0.8 to 0.16u

CMOS Image Sensor 1.0u - 0.18u

CMOS 1.0u to 0.13u

#### **Process Technologies**

Three fully owned (US and Israel), equity stake and partnership in  
Chinese fabs - ~750,000 annual wafer capacity (8 equivalents)

#### **Fabs**

2,100

#### **Employees**

Migdal Haemek, Israel

#### **Headquarters**

Combined trailing twelve months (TTM) revenues of \$443 million

Impressive cash flow generation with \$79 million of TTM EBITDA

Substantial, revenue and cost savings of up to \$40 million annually

Improved leverage ratios

**Key Financial Highlights**

13

---

Forward-Looking Statements

This document contains forward-looking statements within the meaning of the safe harbor provisions of the Private Securities Litigation Reform Act of 1995, including statements concerning Tower's proposed merger with Jazz. These statements are based on management's current expectations and beliefs and are subject to a number of risks, uncertainties and assumptions that could cause actual results to differ materially from those described in the forward-looking statements. All statements other than statements of historical fact are statements that could be deemed forward-looking statements. For example, statements of expected synergies, customer benefits, costs savings, financial guidance, the timing of closing, industry ranking, execution of integration plans and management and organizational structure are all forward-looking statements. The potential risks and uncertainties include, among others, the possibility that the merger does not close or that the closing may be delayed, that expected customer benefits, synergies and costs savings will not be achieved or that the companies are unable to successfully execute their integration strategies, that the companies may be required to modify the terms of the transaction to achieve regulatory approval or for other reasons, that prior to or after the closing of the merger, the businesses of the companies may suffer due to uncertainty, as well as other risks applicable to both Tower's and Jazz's business described in the reports filed by Tower and Jazz with the Securities and Exchange Commission (the SEC) and, in the case of Tower, the Israel Securities Authority. These filings identify and address other important factors that could cause Tower's and Jazz's respective financial and operational results to differ materially from those contained in the forward-looking statements set forth in this document. Accordingly, no assurances can be given that any of the events anticipated by the forward-looking statements will transpire or occur, or if any of them do so, what impact they will have on the results of operations or financial condition of Tower or Jazz. Tower and Jazz are providing this information as of the date of this document and neither Tower nor Jazz undertakes any obligation to update any forward-looking statements contained in this document as a result of new information, future events or otherwise.

A more complete discussion of risks and uncertainties that may affect the accuracy of forward-looking statements included in this press release or which may otherwise affect Tower's business is included under the heading Risk Factors in Tower's most recent filings on Forms 20-F, F-3 and 6-K, as were filed with the SEC and the Israel Securities Authority. Future results may differ materially from those previously reported. Tower does not intend to update, and expressly disclaims any obligation to update, the information contained in this document.

---

Additional Information about the Proposed Merger and Where to Find It

In connection with the proposed merger, Tower intends to file with the SEC a Registration Statement on Form F-4 that will contain a Proxy Statement/Prospectus and related materials and Jazz expects to mail to its stockholders the final Proxy Statement/Prospectus containing information about Tower, Jazz and the proposed merger. INVESTORS AND SECURITY HOLDERS ARE URGED TO READ THE PROXY STATEMENT/PROSPECTUS AND THE OTHER RELEVANT MATERIALS, CAREFULLY AND IN THEIR ENTIRETY, WHEN THEY BECOME AVAILABLE BECAUSE THEY WILL CONTAIN IMPORTANT INFORMATION ABOUT TOWER, JAZZ AND THE PROPOSED MERGER. Investors and security holders will be able to obtain free copies of the Registration Statement on Form F-4, the Proxy Statement/Prospectus and other relevant materials and documents filed by Tower or Jazz with the SEC, when they become available, through the web site maintained by the SEC at [www.sec.gov](http://www.sec.gov). In addition, investors and security holders may obtain free copies of the documents relating to the proposed merger filed with the SEC by Tower by directing a request by mail to Tower Semiconductor Ltd, P.O. BOX 619, Migdal Haemek, Israel 23105, Attn: Investor Relations or by telephone at +972-4-6506936. Investors and security holders may obtain free copies of the documents relating to the proposed merger filed with the SEC by Jazz by directing a request by mail to Jazz Technologies, Inc., 4321 Jamboree Road, Newport Beach, California 92660, Attn: Investor Relations or by telephone at +1 415 445-3236.

Tower, Jazz and their respective executive officers and directors, under SEC rules, may be deemed to be participants in the solicitation of proxies from the stockholders of Jazz in connection with the proposed merger. Investors and security holders may obtain information regarding the special interests of these executive officers and directors in the proposed merger by reading the Proxy Statement/Prospectus filed with the



## Edgar Filing: Jazz Technologies, Inc. - Form 425

SEC when it becomes available. Additional information regarding Tower's executive officers and directors is included in Tower's Form 20-F for the year ended December 31, 2006, which was filed with the SEC on June 25, 2007. Additional information regarding the executive officers and directors of Jazz is included in Jazz's Proxy Statement for its 2008 Annual Meeting of Stockholders, which was filed with the SEC on April 7, 2008. These documents are available free of charge at the SEC's web site at [www.sec.gov](http://www.sec.gov) and are also available free of charge from Investor Relations at Tower and Jazz by contacting Tower and Jazz as described above.

---

---