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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 (Date of earliest event reported): November 16, 2010

**HORIZON TECHNOLOGY FINANCE CORPORATION**

(Exact name of registrant as specified in its charter)

**Delaware**  
(State or other jurisdiction  
of incorporation)

**814-00802**  
(Commission File Number)

**27-2114934**  
(I.R.S. Employer Identification No.)

**76 Batterson Park Road**

**Farmington, CT 06032**

(Address of principal executive offices and zip code)

Registrant's telephone number, including area code: **(860) 676-8654**

Check the appropriate box below if the Form 8-K is intended to simultaneously satisfy the filing obligation of the registrant under any of the following provisions:

- 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))
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**Section 8 Other Events**

**Item 8.01 Other Events**

On November 16, 2010, Horizon Technology Finance Corporation (the “Company”) issued a press release to announce the full repayment of a \$4 million venture loan made to Genesis Networks, Inc.

**Section 9 Financial Statements and Exhibits**

**Item 9.01 Financial Statements and Exhibits**

(d) Exhibits.

99.1 Press Release of the Company dated November 16, 2010.

**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.

Date: November 16, 2010

HORIZON TECHNOLOGY FINANCE CORPORATION

By: /s/ Robert D. Pomeroy, Jr.  
Robert D. Pomeroy, Jr.  
*Chief Executive Officer*



## **Horizon Technology Finance Corporation Announces Loan Prepayment by Portfolio Company Genesis Networks**

FARMINGTON, CT — November 16, 2010 — Horizon Technology Finance Corporation (Nasdaq: HRZN) announced today the full repayment of a \$4 million venture loan made by Horizon to Genesis Networks, Inc. (“Genesis”). Genesis, which provides innovative video solutions in broadcast, media, special event and entertainment customer segments, previously announced its acquisition by Global Crossing (Nasdaq: GLBC) on November 1, 2010.

Although Horizon had carried this loan at fair value, which was below its cost, this repayment allowed Horizon to reverse its previously reported unrealized loan losses of approximately \$210,000 and recognize additional fee income.

“We believe the acquisition by Global Crossing will bring fresh capital to Genesis and represents a typical evolution for a technology innovator,” said Robert D. Pomeroy, Jr., Chairman and Chief Executive Officer. “We wish management continued success with Global Crossing.”

### **About Horizon Technology Finance Corporation**

Horizon Technology Finance Corporation is a closed-end investment company that has elected to be treated as a business development company under the Investment Company Act of 1940. The Company makes secured loans to development-stage companies in the technology, life science, healthcare information and services, and cleantech industries. The Company is externally managed by its investment advisor, Horizon Technology Finance Management LLC.

### **Forward-Looking Statements**

Statements included herein may constitute “forward-looking statements,” which relate to future events or our future performance or financial condition. These statements are not guarantees of future performance, condition or results and involve a number of risks and uncertainties. Actual results may differ materially from those in the forward-looking statements as a result of a number of factors, including those described from time to time in our filings with the Securities and Exchange Commission. The Company undertakes no duty to update any forward-looking statement made herein. All forward-looking statements speak only as of the date of this press release.

### **Contact**

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