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): April 21, 2023

Actelis Networks, Inc.

(Exact name of registrant as specified in its charter)

001-41375

52-2160309

Delaware (State or other jurisdiction of incorporation)

(Commission File Number)

(I.R.S. Employer Identification Number)

4039 Clipper Court, Fremont, CA 94538

(Address of principal executive offices)

(510) 545-1045

(Registrant's telephone number, including area code)

(Former name or former address, if changed since last report)

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 Instructions 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))

Securities registered pursuant to Section 12(b) of the Act:

		Name of each exchange on
Title of each class	Trading Symbol(s)	which registered
Common Stock \$0,0001 par value per share	ASNS	Nasdag Capital Market

Indicate by check mark whether the registrant is an emerging growth company as defined in Rule 405 of the Securities Act of 1933 (§230.405 of this chapter) or Rule 12b-2 of the Securities Exchange Act of 1934 (§240.12b-2 of this chapter).

Emerging growth company ⊠

If an emerging growth company, indicate by check mark if the registrant has elected not to use the extended transition period for complying with any new or revised financial accounting standards provided pursuant to Section 13(a) of the Exchange Act.

Item 7.01 Regulation FD Disclosures.

On April 21, 2023, Actelis Networks, Inc. (the "Company") posted to its website an investor presentation that it intends to use in conferences and meetings with investors, shareholders and analysts. A copy of the presentation is furnished herewith as Exhibit 99.1 and incorporated herein by reference.

The information furnished under this Item 7.01 of this Current Report on Form 8-K,, including Exhibit 99.1 are deemed to be "furnished" and shall not be deemed "filed" for the purpose of Section 18 of the Exchange Act, or otherwise subject to the liabilities of that section, nor shall such information and exhibits be deemed incorporated by reference into any filing under the Securities Act of 1933, as amended, or the Securities Exchange Act of 1934, as amended.

This Current Report on Form 8-K and Exhibit 99.1 hereto contain forward-looking statements within the meaning of the federal securities laws. These forward-looking statements are based on current expectations and are not guarantees of future performance. Further, the forward-looking statements are subject to the limitations listed in Exhibit 99.1 and in the other reports of the Company filed with the Securities and Exchange Commission, including that actual events or results may differ materially from those in the forward-looking statements. For a more detailed description of the risks and uncertainties affecting the Company, reference is made to the Company's reports filed from time to time with the Securities and Exchange Commission, including, but not limited to, the risks detailed in the Company's Annual Report on Form 10-K for the year ended December 31, 2022, filed with the Securities and Exchange Commission on March 29, 2023.

Item 9.01 Financial Statements and Exhibits.

(d) Exhibits

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 hereunto duly authorized.

Dated: April 21, 2023

ACTELIS NETWORKS, INC.

By: /s/ Tuvia Barlev

Name: Tuvia Barlev Title: Chief Executive Officer



Applying the Science of Networking

Enabling Cybersafe, Rapid Deployment Networking for All IoT "Things" and Locations

<image>

For illustrative purposes only. Past performance is not indicative of future results. There is no guarantee that any specific objective will be achieved. Investments may be illiquid, highly speculative and there is risk of the total loss of your investment. Please see full disclosures.

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Financial Information and Use of Non-GAAP Financial Measures.

The financial information contained in this Presentation has been taken from or prepared based on our historical financial statements for the periods presented. This presentation includes certain non-GAAP financial measures. These non-GAAP measures are an addition, and not a substitute for or superior to, measures of financial performance prepared in accordance with GAAP and should not be considered as an alternative to their nearest GAAP equivalent or any other performance measures derived in accordance with GAAP. We believe that these non-GAAP measures of financial results provide useful supplemental information to investors about Actelis. Our management uses forward-looking non-GAAP measures to evaluate our projected financials and operating performance. However, there are a number of limitations related to the use of these non-GAAP measures and their nearest GAAP equivalents. In addition, other companies may calculate non-GAAP measures differently, or may use other measures to calculate their financial performance, and therefore, our non-GAAP measures may not be directly comparable to similarly titled measures of other companies. Additionally, to the extent that forward-looking non-GAAP financial measures are provided, they are presented on a non-GAAP basis without reconciliations of such forward looking non-GAAP measures due to the inherent difficulty in forecasting and quantifying certain amounts that are necessary for such reconciliations. For any financial information contained in this Presentation, please refer to and read in conjunction with the Company's Annual Report on Form 10-K for the year ended December 31, 2022, filed with the U.S. Securities and Exchange Commission on March 29, 2023 (the "Form 10-K").

Forward Looking Statements

This Presentation contains forward-looking statements. In addition, from time to time, we or our representatives may make forward-looking statements orally or in writing. We base these forward-looking statements on our expectations and projections about future events, which we derive from the information currently available to us. Such forward-looking statements relate to future events or our future performance, including: our financial performance and projections; our growth in revenue and earnings; and our business prospects and opportunities. You can identify forward-looking statements by those that are not historical in nature, particularly those that use terminology such as "may," "should," "expects," "anticipates," "contemplates," "estimates," "believes," "plans," "projected," "predicts," "properties," or "hopes" or the negative of these or similar terms. Factors that may cause actual results to differ materially from current expectations include, among other things, those listed under the heading "Risk Factors" and elsewhere in the final prospectus, dated May 16, 2022 filed with the U.S. Securities and Exchange Commission, and our Form 10-K. Forward-looking statements are only predictions. The forward-looking events discussed in this Presentation and other statements made from time to time by us or our representatives, may not occur, and actual events and results may differ materially and are subject to risks, uncertainties and assumptions about us. We are not obligated to publicly update or revise any forward-looking statements whether as a result of uncertainties and assumptions, the forward-looking events discussed in this document and other statements made from time to time by us or our representatives might not occur. Past performance is not indicative of future results. There is no guarantee that any specific outcome will be achieved. Investments made from time to time by us or our representatives might not occur. Past performance is not indicative of future results. There is no guarantee that any

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Actelis At a Glance

A Market Leader of Gigabit-Grade, Cybersafe, Rapid Deployment IoT Networking



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COMPANY OVERVIEW

V2V

Transportation

Ticketing

Global IoT Market to Hit \$1.8 Trillion in 2028 at 24.5% CAGR ⁽¹⁾ Smart City Market at \$696 Billion by 2028 with CAGR of 29.3% ⁽²⁾

畿 H 分 \square 蛋 Smart Traffic (ITS) **Smart Rail** Military and Gov. **Industry, Education Smart City** Power, Water, Oil Perimeter security Lights Parking Signaling **Substations** Robotics **Obstacle detect** Weapons control Warehouse Cameras Security Generators Lane Management Wi-Fi Controls Oil/gas flow Access control Energy Garbage Security Radars Perimeter security Security Signs

> (1) Facts and Factors Jan. 2022 (2) Grand View Research May. 2021

Parking

Water plants

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Airports

COMPANY OVERVIEW

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IoT Connectivity Modernization Needs Growing Exponentially

Major efforts to Securely Connect Tens of Millions of Locations at High-Speed

- Billions of devices currently connected with copper cables
 Historically low speed, low reliability, not secure
- New Fiber Optic cables are being installed *Reliable, fast, but expensive and slow to deploy*
- Wireless is getting faster Historically very low speed, lowest reliability and security



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COMPANY OVERVIEW

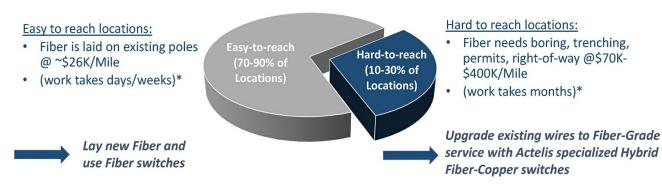
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Obstacles to IoT Development – Hybrid Fiber/Copper is Key

Making the Case for Hybrid Networks (Example)

Connectivity consumes over 70% of IoT network's cost and time



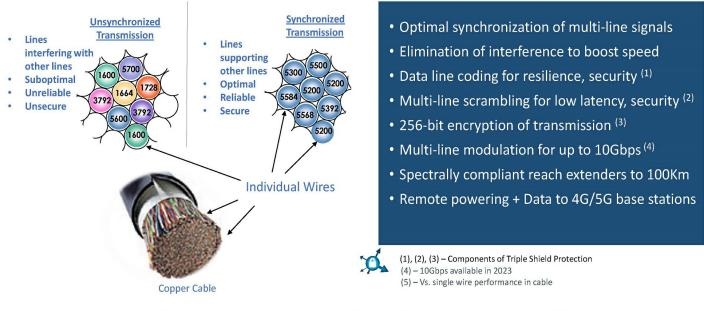
...Connecting Fiber to Hard-to-Reach Locations May Cost 50% of all Project Budget and may cause Months of Delay**

(*) - Analysis by Columbia Telecommunications Corporation

(**)- Fiber Availability is 31%/12%/11% of in US/UK/ Germany, respectively; (FTTH council, Europe, 4/2020)

MetaLIGHT Unique Signal Processing and Encoding Software

Combining 100X Wire⁽⁵⁾ Performance Boost with Triple-Shield Security



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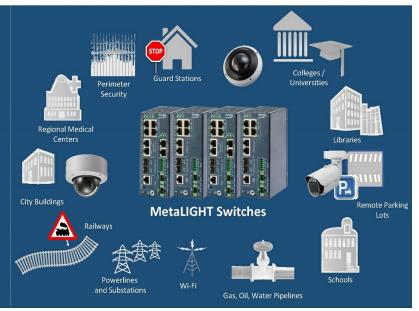
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COMPANY OVERVIEW

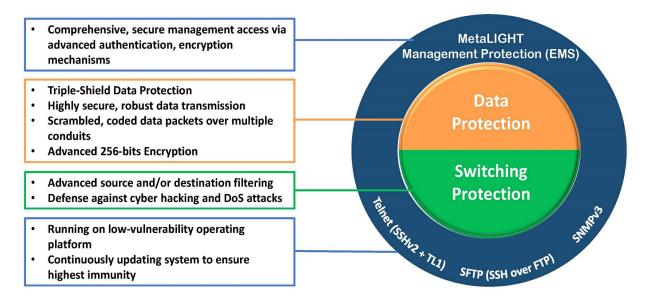
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Actelis' MetaLIGHT Building Blocks Enable Seamless Hybrid Networks

- CONNECTIVITY: High Performance, mix of Fiber, Copper, 5G
- CYBER SAFETY: Triple Shield Data Protection; and 360^o System Security Software
- UBIQUITY: Supports all cameras, sensors, meters on new IP or legacy networks
- **HIGH DENSITY:** Packs up to 11 network functions in one device; saving space, power and cost
- **REMOTE POWERING Over Copper:** For cameras, sensors, 5G base stations, saving power connection cost
- LOW-TOUCH NETWORK MANAGEMENT SW: Automated Configuration, Zero touch provisioning



MetaLIGHT Software 360^o System Level Security Approved for Deployment by US DoD



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COMPANY OVERVIEW

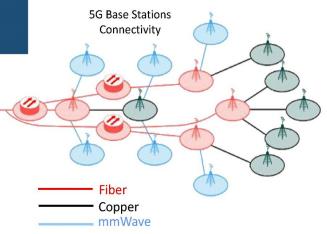
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Actelis' Hybrid Networks Enable 5G in Smart Cities and on Roads 5G Expected to Grow at 54.4% CAGR 2021-2028 ⁽¹⁾

5G...to dramatically improve quality of life with high data-rate, low latency, for mobile, eHealth, autonomous vehicles, smart cities, smart homes, Industrial IoT...⁽¹⁾

Actelis' Hybrid Networking makes 5G practical:

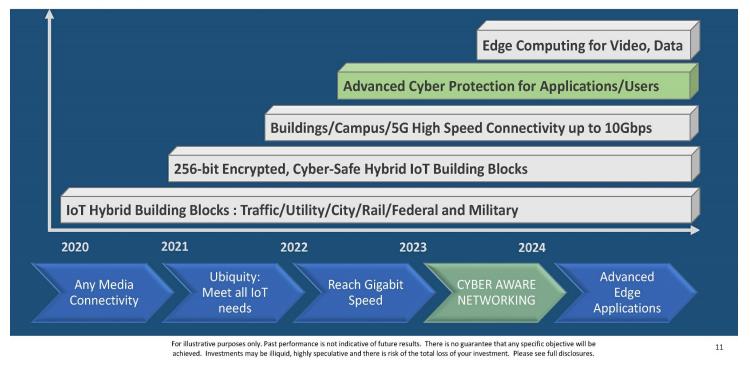
- 5G Requires 10X-100X cell grid density
- Requires Fiber, Copper or mmWave at Gigabit speeds to 14.2M locations by 2027
- Many locations are hard-to-reach with Fiber, outof-sight for mmWave, but are on wires
- Hybrid Networking makes 5G practical with connectivity + remote powering



(1)– Key Market Insights

2020-2024 Product Strategy

Be Everywhere, then Climb Up the Food Chain



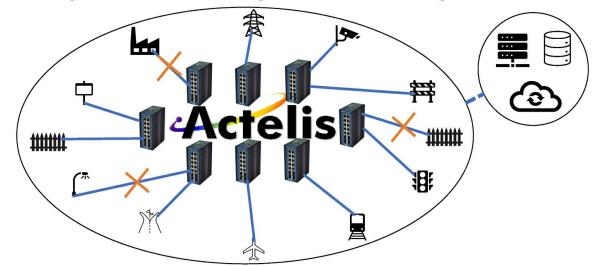
COMPANY OVERVIEW

Cyber Aware Networking – Introducing SaaS in the Edge/Field

Actelis

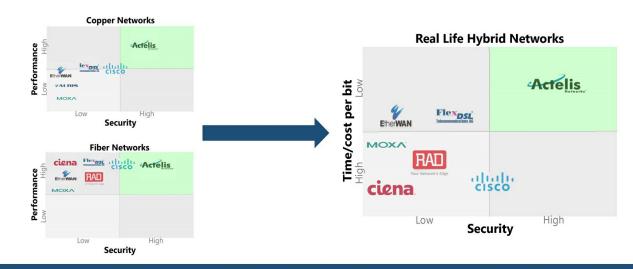
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Going From Protecting the Network Itself To Enabling Protection of Its Surrounding IoT Elements



- ightarrow Converging IoT Anomaly Protection with Network Operations Continuity, Enabling Safety of Both
- \rightarrow Edge Deployment in the Field Using Proximity to IoT Elements to Sense Anomalies Early
- ightarrow Use Network Switching to Cut off Bad Actors

Our Real-Life Solutions Offer Significant Competitive Advantages Leading Unique Real-Life Hybrid Offering



Actelis' solutions offer significant competitive advantages in performance and security layers in both Fiber and copper. When combined into real-life hybrid copper-fiber networks, they offer higher security, faster deployment and lower cost.

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COMPANY OVERVIEW

Customers that Already Trust Actelis' Solutions



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Example: Highways England National Road System Modernizing with Actelis' Secure Hybrid Technology starting 2019



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Financial Highlights – 2022



Financial Results for Fiscal Year 2022

	Full Year		
(U.S. Dollars in thousands except for Gross Margin)	2022	2021	
Revenues	8,831	8,545	
Gross Margin	47%	46%	
Adjusted EBITDA	(4,065)	(1,097)	

65% of Revenue to IoT customers

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FINANCIAL OVERVIEW

Balance Sheet as of December 31, 2022

Balance Sheet -- transformed as a result of completed IPO

	December 31,		• Quick Ratio at >1.5X by end of 2022	
	2022	2021	• Total balance sheet growth >3X, >\$10 million year-	
(U.S. Dollars in thousands)			over-year.Shareholders' Equity	
Current Assets	10,907	4,135	growth of \$23 million	
Non-Current Assets	3,912	549		
Current Liabilities	6,202	5,951		
Long Term Liabilities	5,352	12,744		
Redeemable Convertible Preferred Stock	-	5,585		
Shareholder's Equity (Capital Deficiency)	3,265	(19,596)		
TOTAL BALANCE SHEET	14,819	4,684		

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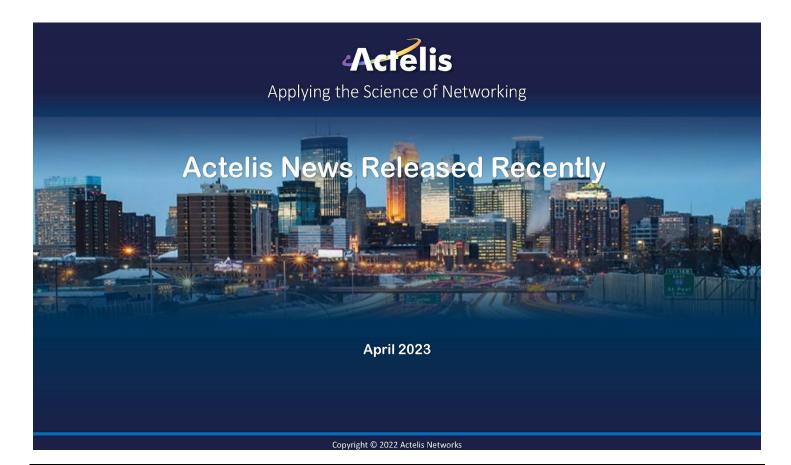
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Contact Information

Yoav Efron CFO Actelis Networks, Inc. yoave@actelis.com (908) 242 6463 Matt Glover Senior Managing Director Gateway Investor Relations matt@gatewayir.com (949) 574-3860

Ralf Esper Director Gateway Investor Relations ralf@gatewayir.com (949) 574-3860

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New Project

City of West Sacramento Modernizes Traffic Management With Actelis' Hybrid Fiber-Copper Solutions



Released April 5, 2023: "... the city of West Sacramento, CA, will be deploying Actelis' new Hybrid Fiber-Copper, high-switching capacity devices as part of a major traffic signal network upgrade. Actelis partnered with <u>Econolite</u>, a leading provider of traffic management systems for this project.

The solution brings instant, cyber-hardened, high-speed connectivity out to intersections, at a fraction of the cost of a network that requires digging or trenching for new fiber installation everywhere.

Recent Actelis News

New Team Member

Actelis Strengthens Global Footprint With Appointment Of New Asia-Pacific Regional Vice President



<u>Released March 8, 2023</u>: "... the appointment of Tzachy Givaty as Regional Vice President for Asia-Pacific ("APAC") to lead the company's business development and channel partner expansion efforts in the region.

Givaty has a proven record of achievement over the past 20 years in the areas of sales management, business development & key partners/alliances management roles within global cybersecurity, mobile & IoT solutions and enterprise SaaS-based software solutions companies.

New Project

Actelis Selected by the City of Eugene For Traffic Modernization Project



<u>Released February 21, 2023</u>: "... the City of Eugene, Oregon has selected Actelis' hybrid fiber-copper networking solutions as part of its most recent traffic modernization project.

The Actelis hybrid fiber-copper solution was chosen because it allows the city to utilize its existing twisted pair copper infrastructure to instantly deploy new traffic cameras and sensors, while also enabling connectivity over fiber if the city eventually transitions away from copper.

Recent Actelis News



<u>Released January 3, 2023:</u> "...selected by Northern Ireland Railways (NI Railways) to enable high-speed connectivity for a large-scale safety critical project. Actelis' solution was chosen for its high speed, media flexibility and reliability. Actelis' products are implemented both trackside and in equipment rooms, to enable applications such as:

•Vital customer information services to train stations and remote stops across the agency's network.

•Viewing and remotely downloading feeds from CCTV cameras.

Network Extension for US Military



Released December 19, 2022: "Actelis reported that an on base US Military implementation utilizing Actelis' technology is entering the final phase of deployment to provide networking for various divisions of the United States military. The Actelis solution extends high-speed internet service to military barracks, solving the challenge of getting broadband service to remote locations... ...The project will total more than 500,000 USD..."

Recent Actelis News



Released October 24, 2022: "Actelis has selected <u>Norseman Defense</u> <u>Technologies</u> as its latest authorized sales partner to provide Actelis' solutions to federal, state, and local government agencies as well as educational institutions...In its continued drive to expand global coverage, Actelis' solutions are added to Norseman's NASA SEWP US government-wide acquisition contract to offer its networking solutions to all branches of the US Military and Government..."



Released October 7, 2022: "Actelis releases its new, powerful, ML600DM product line to customers. The new ML600DM product line was designed to provide more flexibility, faster speeds, higher security levels, and more powerful software management capabilities... Smart Cities, rail, highways, airports, utilities and military organizations can now digitize and modernize their installations with better, faster networking building blocks from Actelis, at a fraction of the time and cost, compared to all-new non-hybrid fiber networks..."

Recent Actelis News



Released October 7, 2022: "...Selected for deployment and delivered an initial order for an energy company, providing power to the capital city of a major European country. The mission of this project is to modernize, digitize and enhance the customer's power network and streamline customer's operations..."

City of San Jose, CA Chooses Actelis



Released September 12, 2022: "Actelis was chosen by the City of San Jose to modernize and extend a state-of-the-art Intelligent Transportation System. The total budget is estimated at \$3 million for a multi-year program... The Actelis hybrid fiber-copper network gives San Jose's ITS operators the ability to rapidly develop and deploy a fast network for a new world of transportation needs that will be using real time actionable data..."

Recent Actelis News



Actelis Modernizing Airports Worldwide with SITA

Released August 29, 2022: "Actelis announced today that it has received \$312,000 to-date in orders following its previously announced multi-year contract signed with a global leader in airport operations management systems. The contract aims to rapidly and cost effectively modernize and digitize networks in hundreds of airports across 39 countries..."