



Orbit Investors Presentation

Growing Together

November 2021

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Significant Install Base

4,000+

Airborne Systems

4,500+

Maritime Systems

1,800+

Ground Systems

Orbit at a Glance

Orbit is a leading global provider of innovative and highly reliable airborne audio, satcoms, and tracking

Based in Israel and the US, with international sales, production and support facilities

Founded in 1950 as a start up electronics company, Orbit pioneered precision tracking systems

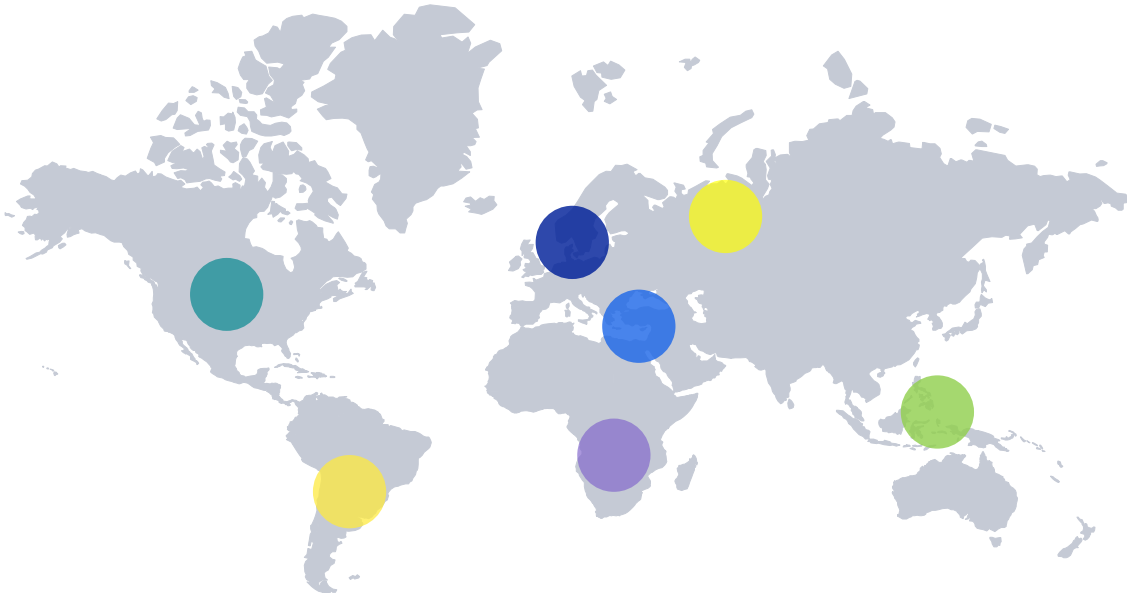
Today, Orbit is a global market leader with technology superiority in airborne audio management and mobile satellite communication

Orbit is a publicly listed company (TASE), combining a strong balance sheet with productive R&D investment



Orbit Customer Base

- **Orbit** serves a diverse, blue-chip international customer base
- **Customers** located in **58** different countries
- **Key development partners** include Boeing, Lockheed Martin, SES, Inmarsat, Airbus, Rafael and IAI



US, NATO & International Armed Forces

Satellite Operators

ESA, NASA and National Space Agencies

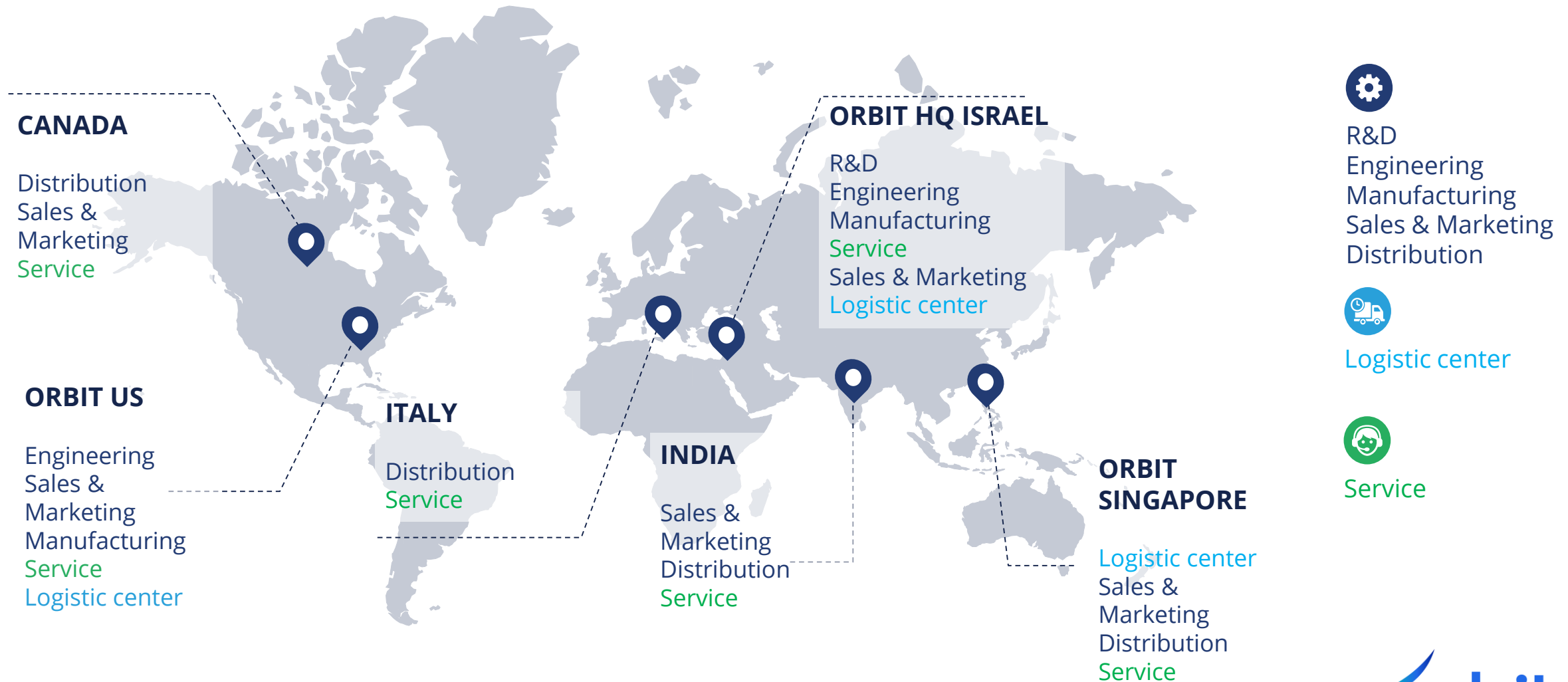
Earth Observation Companies

Emerging New Space Entrants

Aircraft Manufacturers



Orbit Global Network



Orbit Communication Inc., USA


- Over 20 years of operation
- Major Growth Factor
 - Blue Chip Companies and Government Agencies
 - Boeing, Lockheed Martin, SNC (Sierra Nevada Corporation)
L3Harris, United States Air Force
 - Platform for Global Sales via US Local Integrators
 - **FMF Reform Ready**
- Full Production capabilities
- American Sales and Service

המכון למחקרי ביטחון לאומי INSS
מחקר אסטרטגי, חדשני ומוכח מדעית

מחקר פרסומי עדן אסטרטגי אירועים צוות אודות מדיה פורקאסט צורק

תוכנית הסיוע האמריקאי לישראל: משמעויות תקציביות ואסטרטגיות


שמואל אבן, ששון חדר
מבט על, גיליון 3, 1070 ביולי 2018



באוקטובר 2018 תחל שנת תקציב חדשה בארצות הברית ועמה תוכנית הסיוע הרב-שנתית לישראל לעשור 2019-2028, בסך 38 מיליארד דולר. מתוכנם: 33 מיליארד דולר מתוכנית סיוע החוץ 5-1 מיליארד דולר ממשרד ההגנה למימון פרויקטים משותפים להגנה מפני טילים (נושא זה לא נכלל בתוכנית הסיוע הרב שנתית הקודמת). עם זאת, תנאי הסיוע הוקשחו: ישראל לא תרכוש בכספי הסיוע דלק ויכולתה להמיר כספי סיוע מדולרים לשקלים תפחת עד לאפס בסוף התוכנית. הדבר יהווה אתגר לשימור יכולות המו"פ ועוצמתן של התעשיות הביטחוניות בישראל, הגשענות עתה על רכש של צה"ל בשקלים, שמומרים מסיוע בדולרים.

REUTERS / Amir Cohen

We are Ready! For FMF reform



Main Product Segments

Airborne *Audio*



- **Pioneer** in Airborne Satcoms and Audio Management
- **Civil and DoD/MoD** qualifications and certifications
- **Tailored solutions** for a broad range of aircraft, helicopters and UAVs

Mobile Satellite Communication



- **Airborne** Satellite Communication
- **Maritime** Satellite Communication
- **Long-standing supplier** to US and NATO Navies and Air Forces

Ground Systems



- Top supplier of compact Ground Stations for '**New Space**' and **Earth Observation**
- Range of fixed and transportable **Turn-Key Telemetry and Tracking Solutions**

Prime Customers & Partners

Airborne Audio



Audio Management Systems with integrated 3D, ANR



Mobile Satellite Communication



Airborne and Maritime Satellite Communication



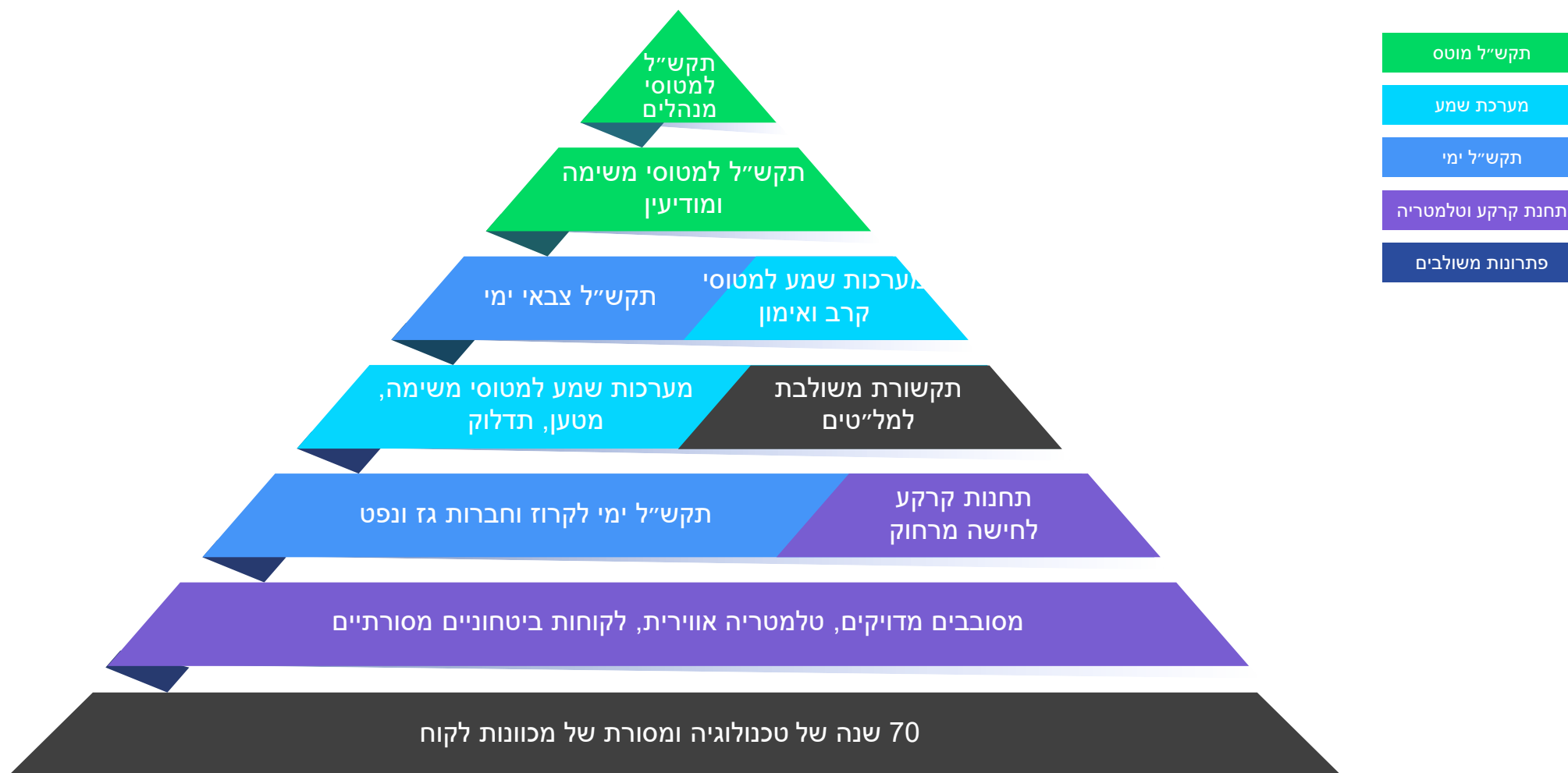
Ground Systems



'New Space', Earth Observation, LOS and Telemetry Systems



בסיס חזק של לקוחות ושווקים עולמיים



Audio Management Systems



Airborne Audio Management – Substantial Opportunities

- Large Install Base
- Thousands of Flying Systems
- Leading-edge technical features on Orion™ including 3D audio and Active Noise Reduction
- Growth potential to Rotorcrafts and Ground Platforms



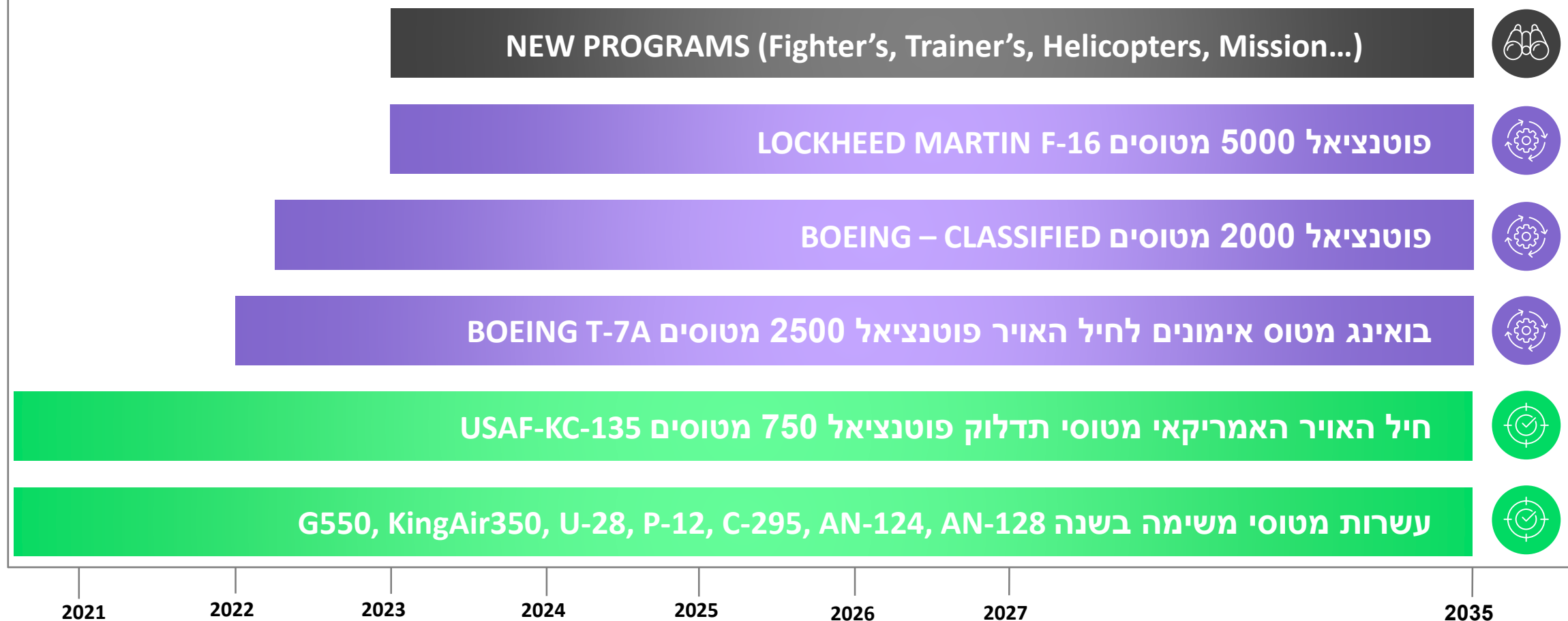
AMS Significant Install Base – Partial Snapshot

Year	Customer	Platform
1991	US Army	Army Helicopters
1995	Lockheed Martin	Classified
1996	IAI & Boeing	T-38
1997	Gulfstream	G 4
1998	Rockwell Collins	KC-135
2001	Gulfstream	G-3/4/5
2002	US Navy	Confidential
2004	Airbus DS	C-295, CN-235
2009	US Homeland Security	Confidential
2013	Antonov	Confidential

Year	Customer	Platform
2013	UAC	MC-21
2014	Undisclosed OEM	Trainer
2015	Airbus DS	C-295
2018	US Air Force	KC-135
2018	Embraer	Confidential
2019	IAI	Heron TP
2016	Boeing	Classified
2020	Boeing	T-7A
2020	Lockheed Martin	F-16

* ייצור סדרתי בהקפים גדולים

מערכות אודיו קשר פנים – מוצרים סדרתיים



Growing Relationship with Leading OEMs

INTELLIGENT
AEROSPACE
GLOBAL AEROSPACE TECHNOLOGY NETWORK

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LOG INREGISTER

COMMERCIALMILITARYAVIONICSATC/ATMHELICOPTERSATCOMUNMANNED

HOME | MILITARY

Boeing selects Orbit's audio management system (AMS) for new USAF trainer

Orbit's Orion AMS to be integrated into the U.S. Air Force's new T-7A Red Hawk advanced pilot training system.

May 6th, 2020





RELATED

Home

Orbit Communication Systems

May 5th, 2020

Home

Boeing

Jan 30th, 2020



LATEST IN MILITARY

F-16 Orion Recent Award

ORBIT REPORTS A MAJOR COMPETITIVE WIN ON A LOCKHEED MARTIN BID FOR THE DEVELOPMENT AND PRODUCTION OF THE NEXT GENERATION 3D AUDIO MANAGEMENT SYSTEMS FOR F-16 AIRCRAFT

Estimated Long Term Agreement Contract Value of \$46 Million

Deerfield Beach, Florida, August 23, 2020 – Orbit Communication Systems Inc., the U.S. subsidiary of Orbit Communication Systems Ltd. (TASE: ORBI), who specializes in satellite communication, tracking systems, and airborne communication and audio management solutions, announced today that Lockheed Martin Corporation (NYSE: LMT) selected its Orion™ Combat 3D Audio Management System (3D-AMS) for the next generation avionics suite of the F-16. The Long-Term Agreement includes development, production, and sustainment of audio management systems valued at an estimated contract of \$46 million.

This agreement will enable continued delivery on current F-16s commitments for partners around the world. The F-16 has been proving its value for decades and continues to remain the best value among 4th generation jets for its high-tech capabilities and affordable lifecycle costs. Today approximately 3,000 aircraft are flying in more than 25 countries.



F-16s Could Still be Flying Into the 2070s

SHARE ARTICLE

May 23, 2021 | By John A. Tirpak

Based on Lockheed Martin's backlog of F-16 orders, planned upgrades, and the recent revelation that the Air Force plans to depend on the fighter into the late 2030s, the F-16's sunset years now could come in the 2070s, or later.

The late Michele A. Evans, Ulmer's predecessor as Lockheed VP for aeronautics, said in September 2020. the company sees a **possibility 'of getting up to 5,000' F-16s** built. She also said the company views the F-16 as an entrée to its F-35, for countries that are not yet ready to adopt the fifth-generation fighter, but may wish to later

Source: Airforce Magazine

\$46 Million Contract

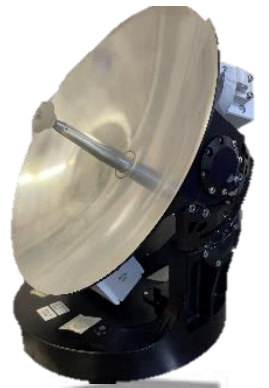
Airborne Satellite Communication



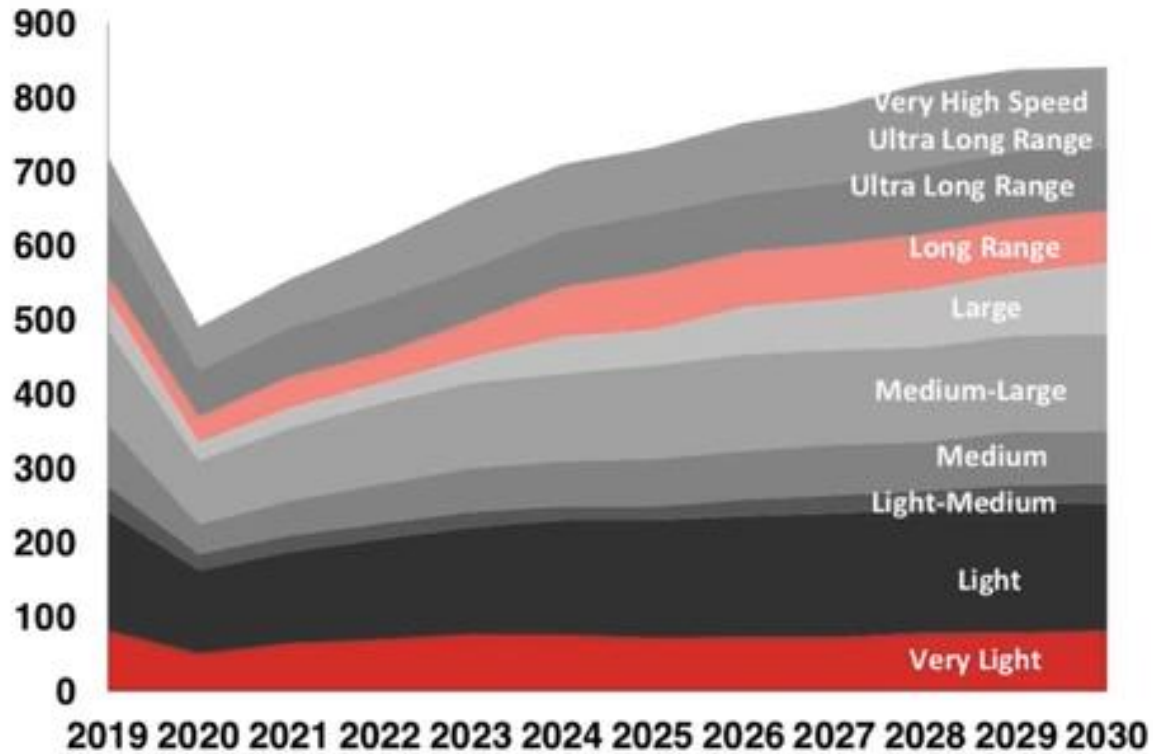
Orbit Satcom Offering



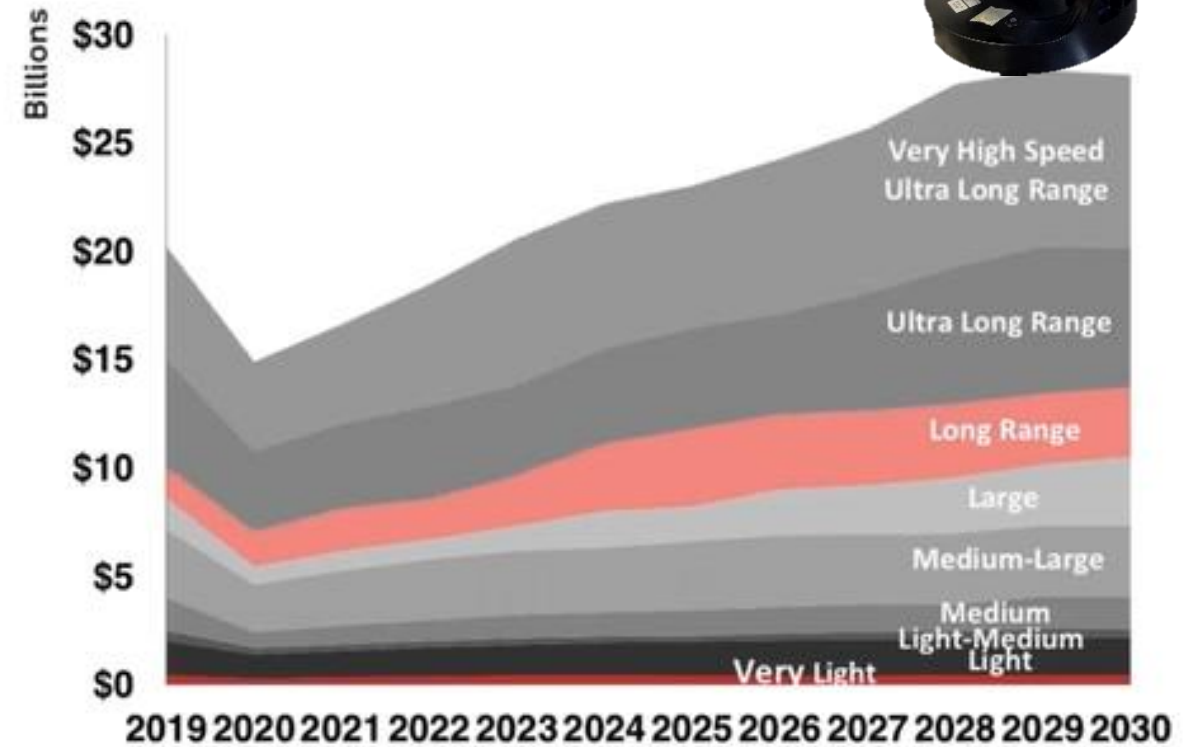
2020 Business Aviation Outlook – Orbit 12" Antenna System



Aircraft Deliveries



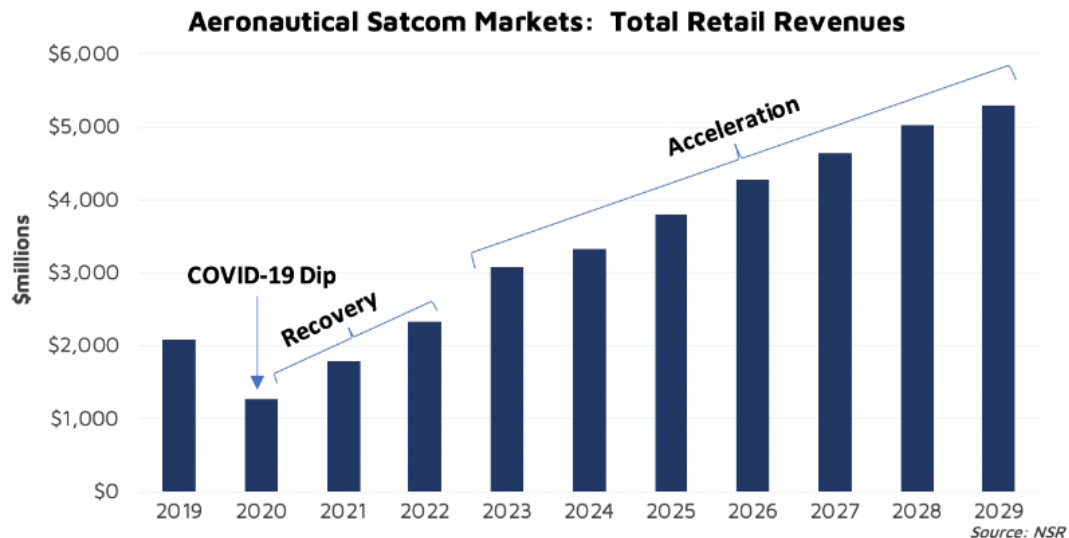
Delivery Value – Constant \$2020



~7,300 Aircraft, up to \$235B in value from 2021-2030

Airborne Satellite Communication – Prime Growth Engine

- **Global fast adaptation** of in-flight connectivity
- **New Airborne Satellite Communication – Superior performance**

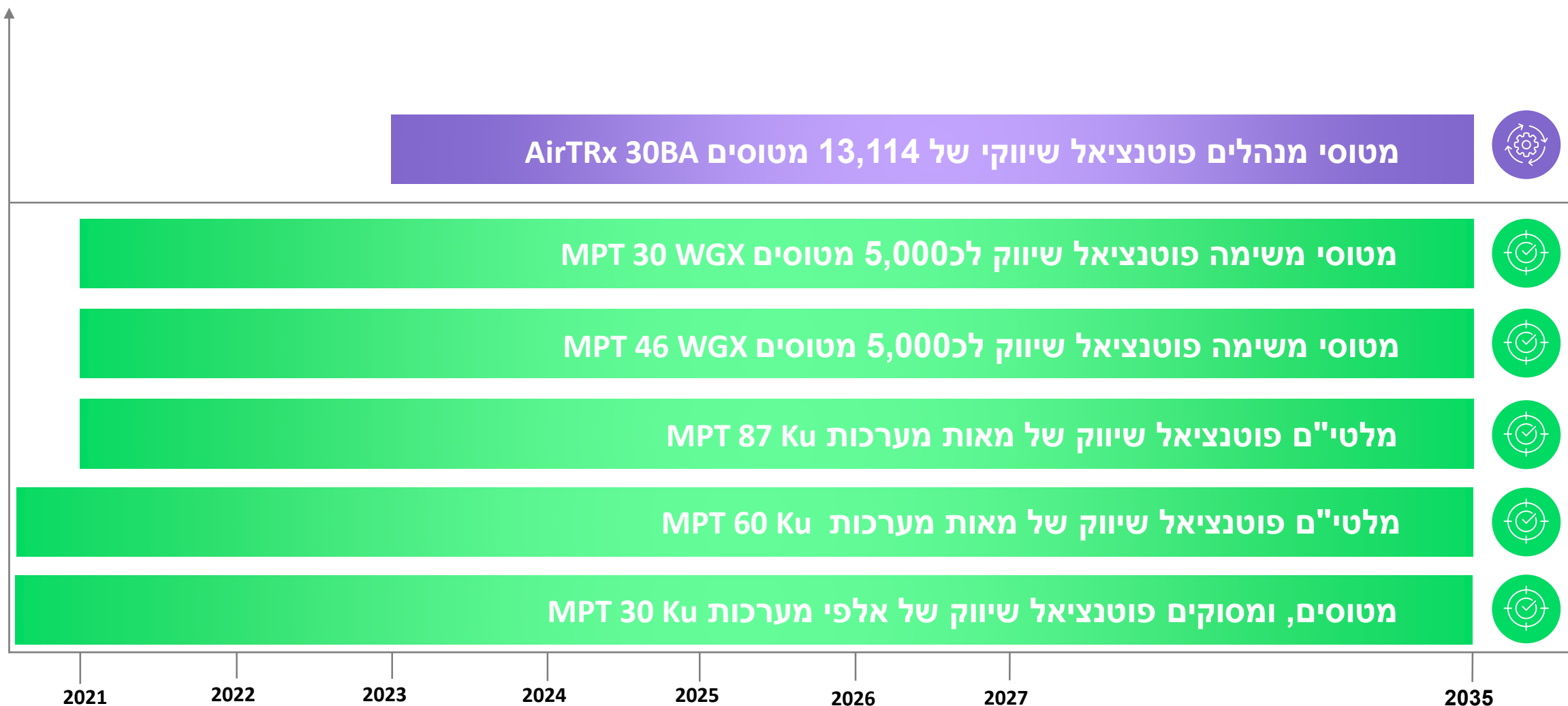


PR: Despite Pandemic, IFC Terminal Installed Base in Business Aviation to Reach 32,000 by 2029

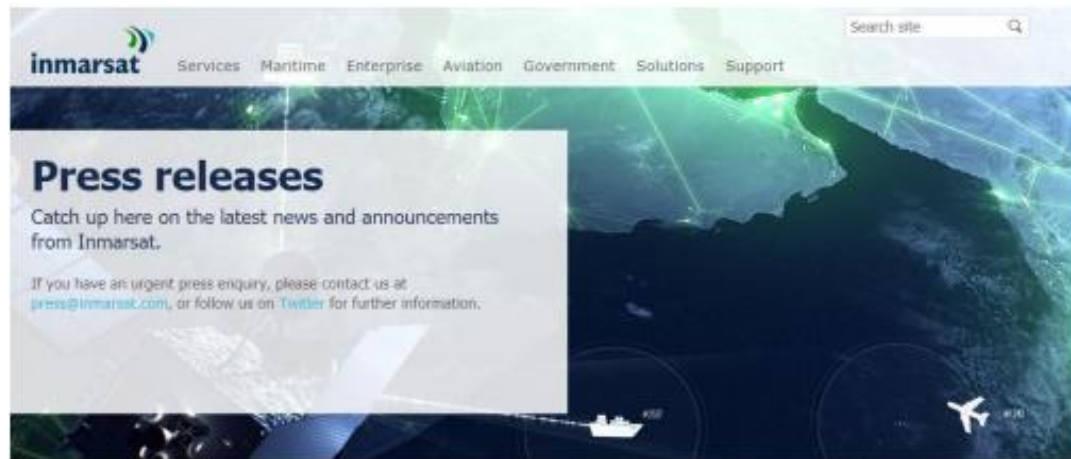
August 13, 2020 13:00 British Summer Time (BST)

Source: Valour Consultancy

מוצרי תקשורת לווינים מוטסים – צמיחה דרך מוצרים



Airborne Satellite Communication Recent Publications





Inmarsat Government orders large block of airborne SATCOM terminals from Orbit after achieving critical co-development milestone


New 46cm (18inch) Ka-band multi-purpose terminal meets pressing market need for seamless worldwide connectivity with Unmanned Aircraft Systems (UAS)

December 19, 2019 – Orbit Communication Systems Ltd. (TASE: ORBT), a leading global provider of airborne communications and satellite-tracking maritime and ground-station solutions, and Inmarsat Government, a leading provider of global mobile satellite communications and managed network services to the U.S. government, today announced an initial order from Inmarsat Government for Orbit's Multi-Purpose Terminal (MPT) 46WGK.



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everything RF / News / Orbit Develops Ka-Band Airborne Terminal with 12-Inch Antenna for Inmarsat						

Orbit Develops Ka-Band Airborne Terminal with 12-Inch Antenna for Inmarsat

January 23, 2020



Orbit Communication Systems and Inmarsat, have announced the development of an innovative new Ka-band multi-purpose airborne terminal (MPT). The compact MPT 30WGK, featuring a 30-cm (12") antenna, will be able to deliver high-throughput wideband communications via the Inmarsat Global Xpress worldwide network for a broad range of airborne platforms

Airborne Satellite Communication Recent Publications

ISRAELDEFENSE

Day: Saturday, 25.07.2020

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Orbit to Supply Airborne Satcom, Ground Pedestal Solutions for Heron TP

Rafael placed a \$5.5 million order for Orbit's MPT 67 airborne satcom terminals and AL-4016 ground pedestals for integration into IAI's Heron TP MALE UAV

IsraelDefense | 19/08/2019

Share this:



Heron TP (Photo: IAI)

ORBIT GX46 AIRBORNE SATCOM TERMINAL RECEIVES INMARSAT GLOBAL XPRESS COMMERCIAL AND MILITARY KA-BAND TYPE APPROVAL

Multi-purpose, high-throughput aviation terminal supports military, government and commercial users worldwide

06.04.21

Inmarsat, the world leader in global, mobile satellite communications services and Orbit Communication Systems Ltd. (TASE: ORBI), a leading global provider of airborne communications solutions, today announced that the Orbit GX46 multi-purpose terminal (MPT) has received full type approval for use over Inmarsat's Global Xpress (GX) network.

GX is the world's first and only, globally available, seamless mobile wideband service. In U.S. government service since July 2014, GX has established itself as the gold standard for reliable communications across land, sea, and air domains for assured mobile connectivity.



Orbit GX46 Airborne SATCOM Terminal Receives Inmarsat Global Xpress Commercial and Military Ka-band Type Approval

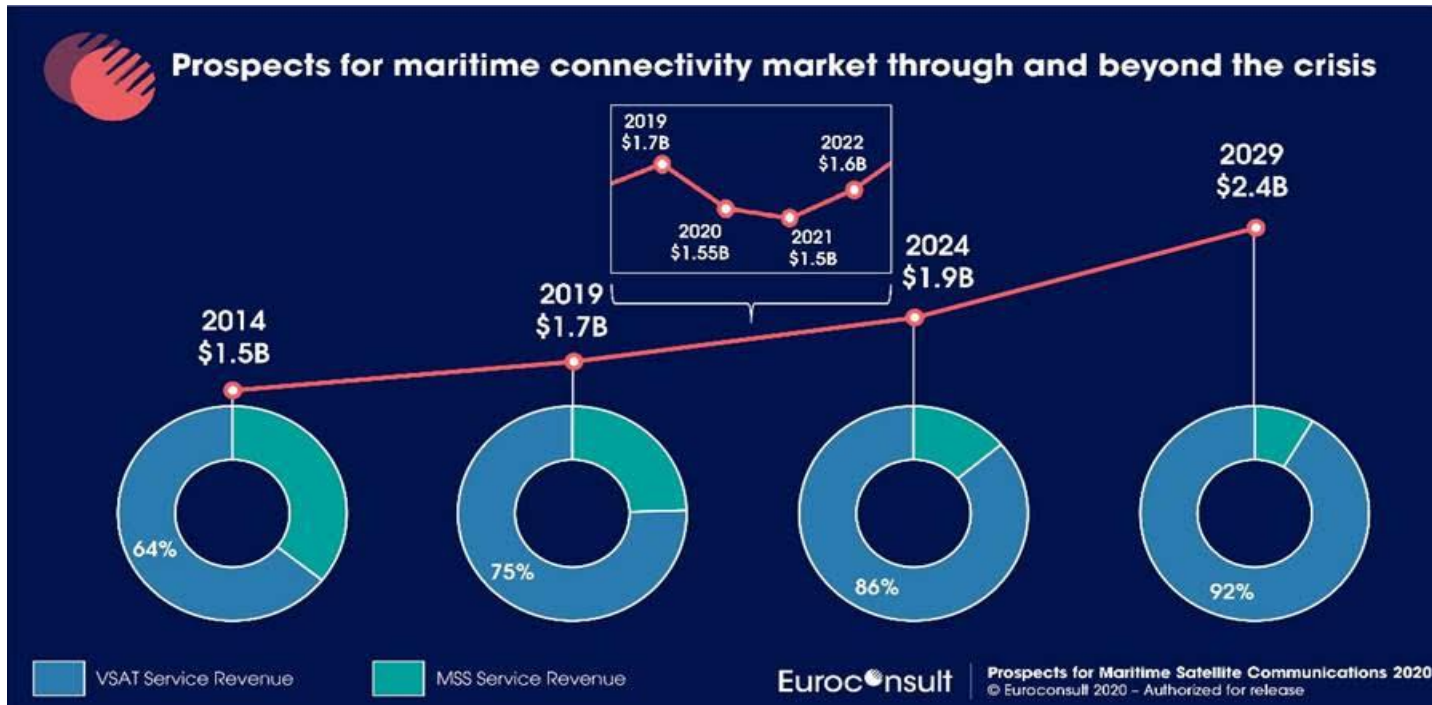
Maritime Satellite Communication



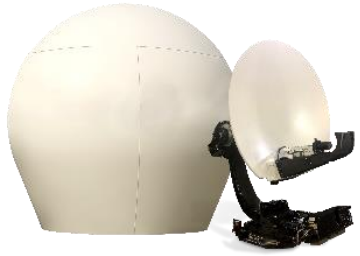
Maritime Satcom – Expanding Market Position

OceanTRx has rapidly become a leader in large cruise ships

- Now on 12 of 15 largest liners - Royal Caribbean, MSC, Virgin and others
- More than 25 Navies using Orbit Products
- Integrated New Space Support for NGSO Satellites



מיקוד של אורביט במערכות תקשורת לוויניות ימיות



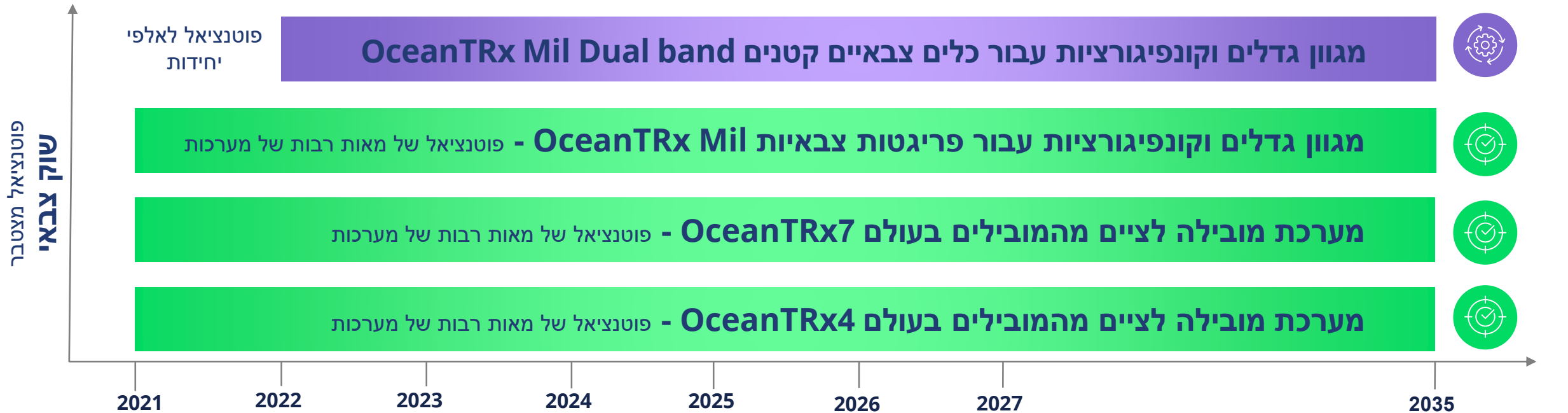
המערכות הימיות של אורביט הן המערכות הימיות היחידות בעולם שתומכות בשידור וקליטה של 2 תדרים בו זמנית

פוטנט ייחודי תקשורת דואלית מעניק יתרון משמעותי למערכות אורביט



מתחילת השנה אורביט דיווחה על קבלת הזמנות בגובה של 27.5 מיליון דולר עבור התחום הימי

היום בבנייה מעל 900 כלי שיט צבאיים ומעל 300 צוללות



MIL - מערכות בסטנדרט הצבאי הגבוה ביותר

ORBIT COMMUNICATION SYSTEMS REPORTS DELIVERY OF A MILITARY SATELLITE COMMUNICATIONS SYSTEM FROM THE OCEANTRX 4 MIL FAMILY TO THE ISRAELI NAVY, FOR THE SAAR 6-CLASS CORVETTE.

This will provide continuous satellite connectivity at a variety of frequencies to Saar 6 vessel.

Netanya, Israel, May 3, 2021—Orbit Communications Systems Ltd. (TASE: ORBI), a leading global provider of maritime and airborne satcom terminals, tracking ground station solutions, and mission-critical airborne audio management systems announced today the delivery of an OceanTRx 4 Mil satellite communications system to the Israeli Navy to be installed on the Saar 6-class corvette.

“We are proud that the Israeli Navy has chosen the OceanTRx 4 Mil Platform,” said Daniel Eshchar, CEO of Orbit. “This platform is one of the most advanced naval satellite communication solutions in the world. The platform supports both military and civilian bands on a single military system.”

About Orbit’s OceanTRx 4 Mil System

OceanTRx 4 Mil is a Maritime Satcom Terminal, based on the OceanTRx4 platform but with advanced military features. A patented satellite communication system designed for maritime platforms and supports a variety of configurations of 1.15-meter diameter antenna systems, operating different frequencies including simultaneous operation of a variety frequencies for global operation. The OceanTRx 4 Mil system is designed for quick and convenient installation, maintenance and upgrade, combining RF performance and exceptional system availability for security customers.



מיקוד של אורביט במערכות תקשורת לוויניות ימיות

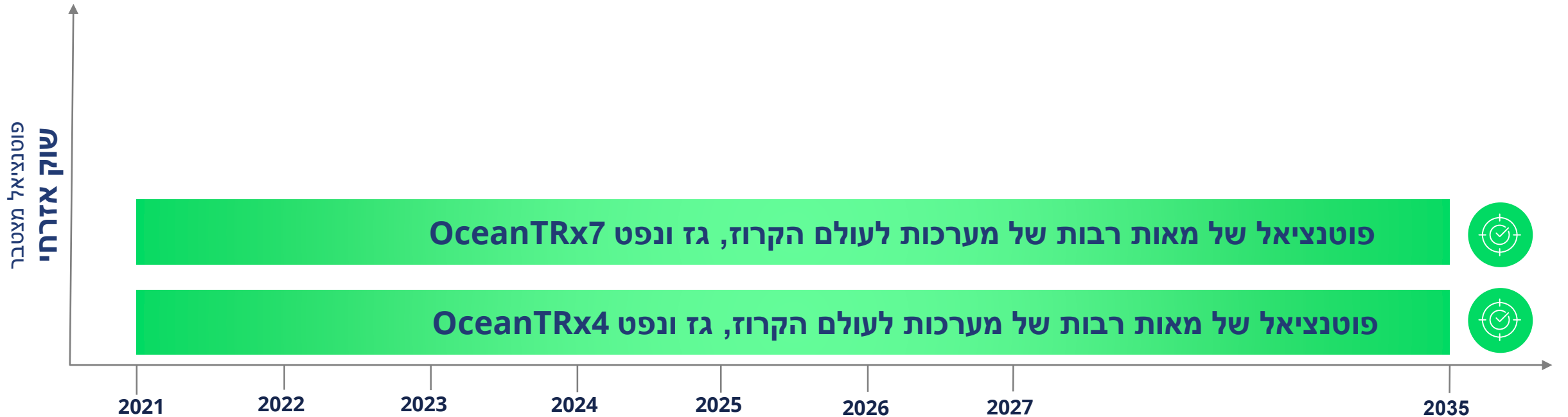


פנטט ייחודי תקשורת דואלית
מעניק יתרון משמעותי
למערכות אורביט



מתחילת השנה אורביט דיווחה על
קבלת הזמנות בגובה של 27.5 מיליון
דולר עבור התחום הימי

מערכות Ocean TRx של אורביט הינן
המערכות הקומפקטיות ביותר בעולם
באותה קטגוריה



Strong Maritime Presence

ORBIT EXPANDS DELIVERY OF DUAL-BAND (KU/X) MARITIME SATCOM TERMINALS FOR THE POLISH NAVY

Ease of switching between X and Ku bands and all-weather reliability key factors influencing the deployment of OceanTRx™4 systems aboard Cormorant-Class Minehunters

Netanya, Israel, 3 September 2019 – Orbit Communications Systems Ltd. (TASE: ORBI), a leading global provider of satellite-tracking maritime, airborne and ground-station solutions, announced today that systems integrator THESTA, ordered additional dual-band OceanTRx 4 systems for the PGZ Group, the leading contractor of naval navigation, communications and combat systems in Poland, for deployment aboard the Polish Navy's Cormorant-Class Minehunter.

OceanTRx 4 is a rugged and innovative stabilized dual-band maritime satcom platform. It further expands Orbit's industry-leading OceanTRx series, featuring outstanding RF performance, system availability and dynamic response under virtually any offshore conditions. Supporting the mission-critical broadband needs of navy vessels, it was designed for one-day deployment and simple updates and maintenance. Orbit's maritime platform provides outstanding performance and high reliability, while achieving a low total cost of ownership.



Cormorant-class minehunter photo by Lukasz Dejnarowicz for interia.pl

TENTH NAVY ORDER FOR ORBIT'S MARITIME SATCOM TERMINALS

Asian Navy signs US\$2.7 million contract for a combination of OceanTRx 4 and OceanTRx 7 systems

Washington, DC, March 11, 2020 – Orbit Communications Systems Ltd. (TASE: ORBI), a leading global provider of satellite-tracking maritime, airborne and ground-station solutions, announced today at the Satellite 2020 Conference in Washington, DC, a new US\$2.7 million contract with a major Asian Navy for a combination of OceanTRx 4 and OceanTRx 7 maritime satcom terminals, and associated spares.

This order represents the tenth Navy to select Orbit's OceanTRx product line, and the fourth in the last nine months. Since its introduction in 2015, OceanTRx has become the leading terminal in the large cruise ship segment, a top choice for offshore platforms and critical data links, and now the growing choice for Navy applications.



Sample navy ships courtesy of Wikimedia Commons

Strong Maritime Presence

ORBIT COMMUNICATIONS REPORTS RECEIVING AN ORDER FROM A LEADING EUROPEAN INTEGRATOR FOR INNOVATIVE MILITARY MARITIME SATELLITE COMMUNICATION SYSTEMS FOR A TOTAL OF APPROXIMATELY \$3.1 MILLION.

Orbit's OceanTRx4 Mil Maritime systems will provide continuous satellite connectivity at a variety of frequencies to leading regional naval fleet vessels

Netanya, Israel, April 1, 2021 – Orbit Communications Systems Ltd. (TASE: ORBI), a leading global provider of maritime and airborne satcom terminals, tracking ground station solutions, and mission-critical airborne audio management systems announced today that it has received an order from a new customer, a leading European integrator, for OceanTRx4 Mil satellite communications systems for new naval military platforms for a total of approximately \$3.1 million. Delivery of the systems, which will provide the fleet with continuous satellite broadband connectivity, is expected to begin during 2022.



Orbit Communications reports receiving an order from Airbus, a leading European integrator for innovative military maritime satellite communication systems for a total of approximately \$1.4 million.

Orbit's OceanTRx4 Maritime systems will provide continuous satellite connectivity at a variety of frequencies to leading regional French naval fleet vessels

Netanya, Israel, June 30, 2021 – Orbit Communications Systems Ltd. (TASE: ORBI), a leading global provider of maritime and airborne satcom terminals, tracking ground station solutions, and mission-critical airborne audio management systems announced today that it has received a repeat order from Airbus, a leading European integrator, for OceanTRx4 satellite communications systems for new French naval military vessels for a total of approximately \$1.4 million. Delivery of the systems, which will provide the fleet with continuous satellite broadband connectivity, is expected to begin during 2021

Strong Maritime Presence

05.07.2021

אורביט קיבלה הזמנה למערכות תקשורת לוויינית בהיקף של כ-6.3 מיליון דולר

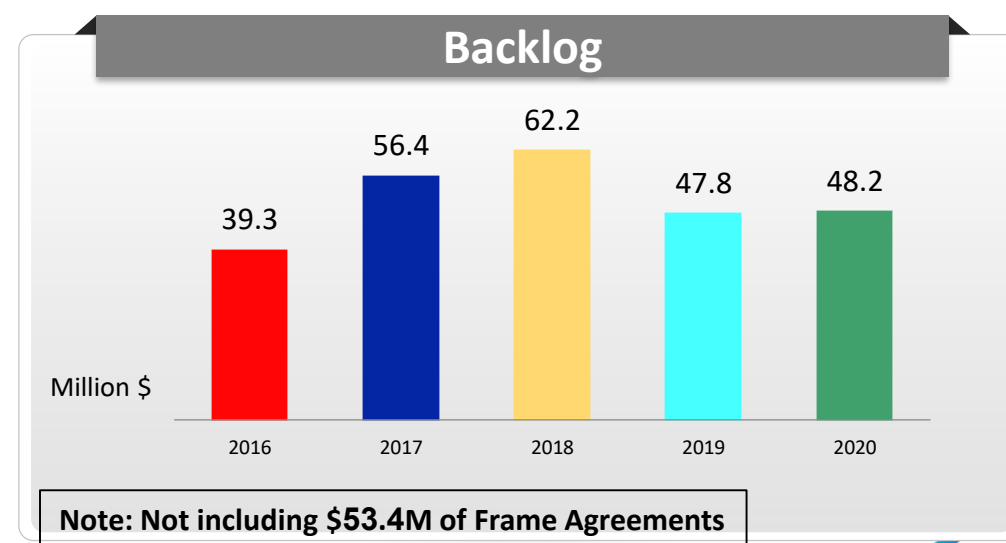
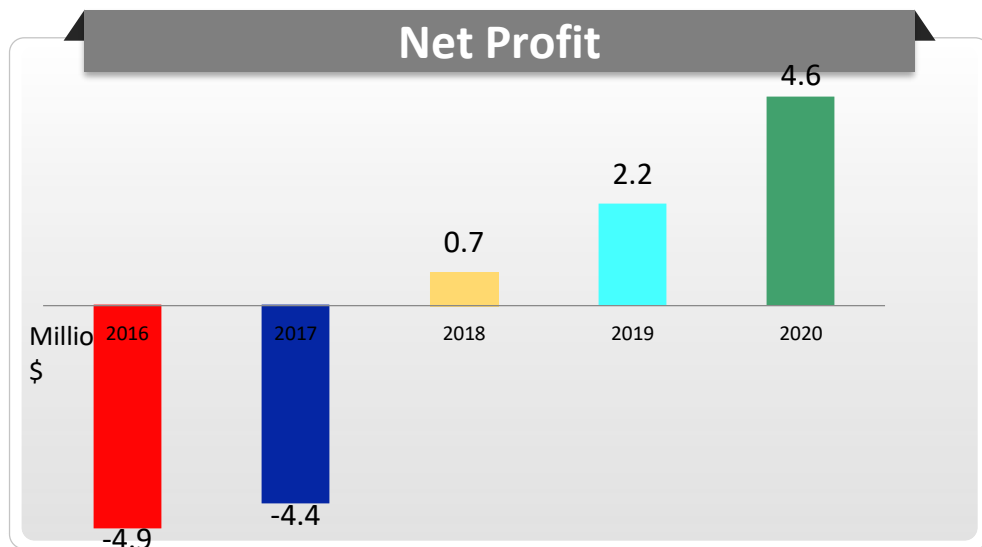
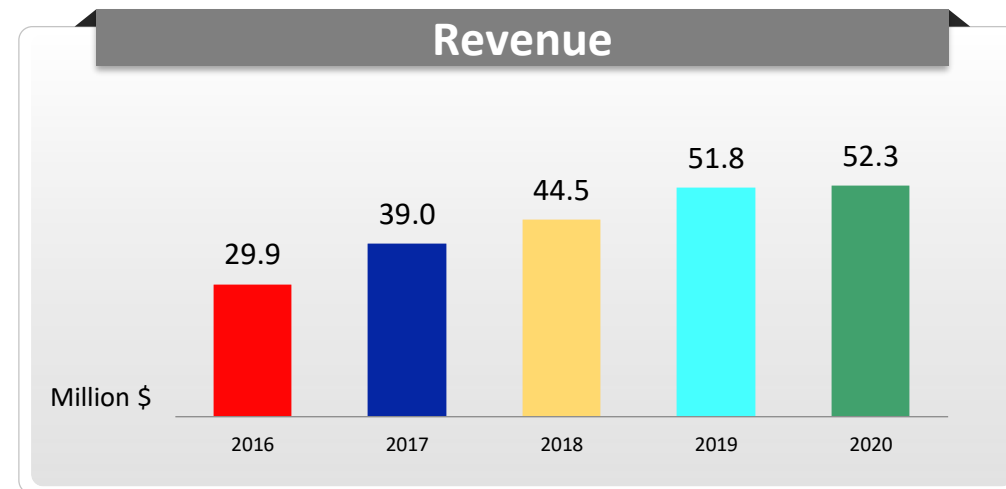
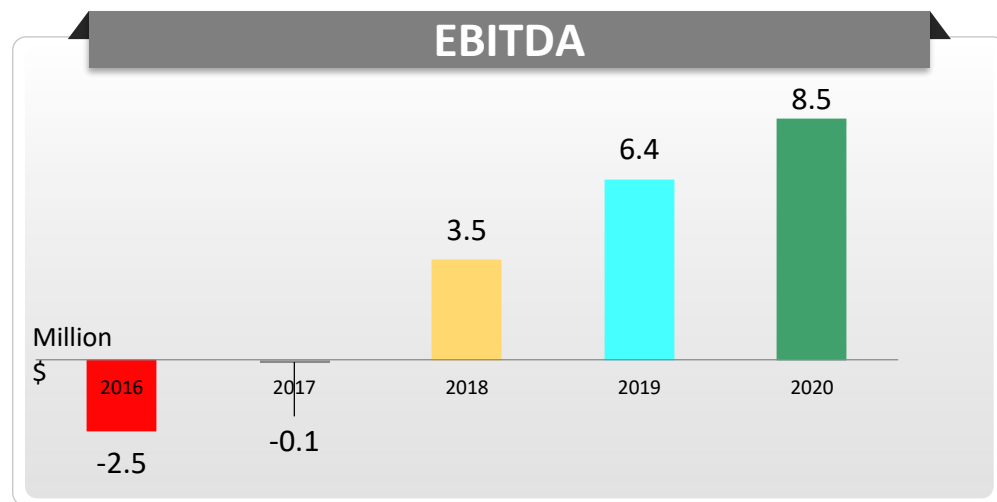
ההזמנה היא עבור פלטפורמה צבאית ימית מאינטגרטור אירופאי מוביל הכוללת מערכת מסוג OceanTRx4 Mil החדשה

מערכות ה-OceanTRx4 Mil, תספקנה קישוריות לוויינית רציפה במגוון תדרים לספינות צי מוביל באירופה. מתחילת השנה החברה דיווחה על קבלת הזמנות למערכות תקשורת לוויינית מסוג OceanTRx בסך של כ- 16.9 מיליון דולר

אורביט טכנולוגיים (ת"א: ארביט) מובילת שוק בפתרונות לניהול קשר ושמע במערכות מוטסות, טרמינלים לתקשורת לוויינית מוטסת וימית הודיעה היום על עסקה משמעותית במסגרתה קיבלה הזמנה מלקוח שהינו אינטגרטור אירופאי מוביל, למערכות תקשורת לוויינית מסוג OceanTRx4 Mil עבור פלטפורמות צבאיות ימיות חדשות באירופה בסך כולל של כ-6.3 מיליון דולר.

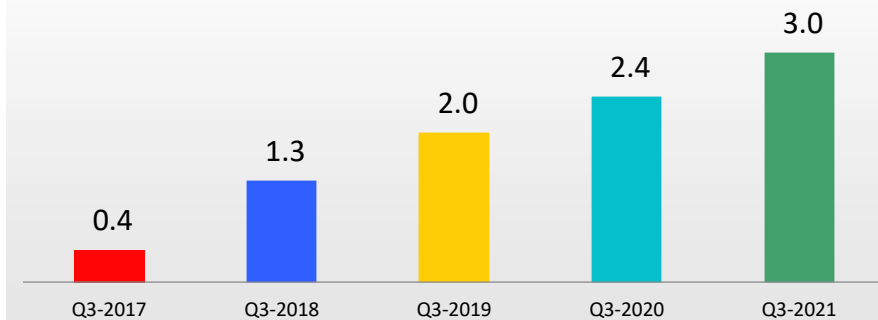
אספקת המערכות, אשר יסופקו לצי האירופי קישוריות לוויינית רציפה על גבי פס רחב, צפויה להתחיל במהלך 2023. המערכות הנ"ל יתווספו למערכות OceanTRx של אורביט שכבר קיימות באוניות הצי ומחזקות את אחיזתה של אורביט כמובילה בשוק זה.

Revenue, Ebitda, Net Profit, Backlog 2016-2020



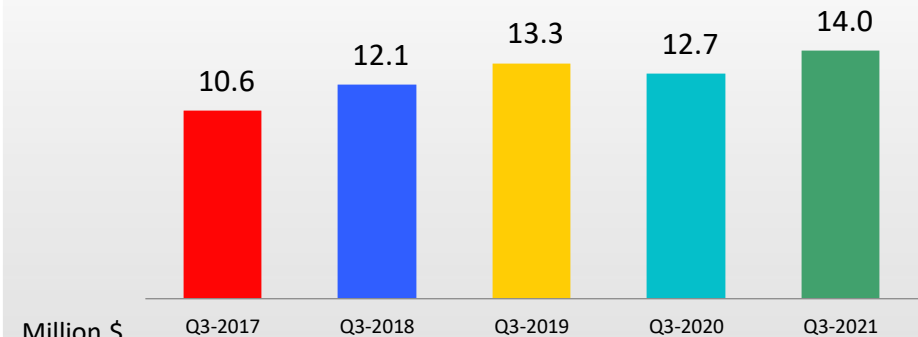
Revenue, Ebitda, Net Profit, Backlog 2017-2021 (Q3)

EBITDA



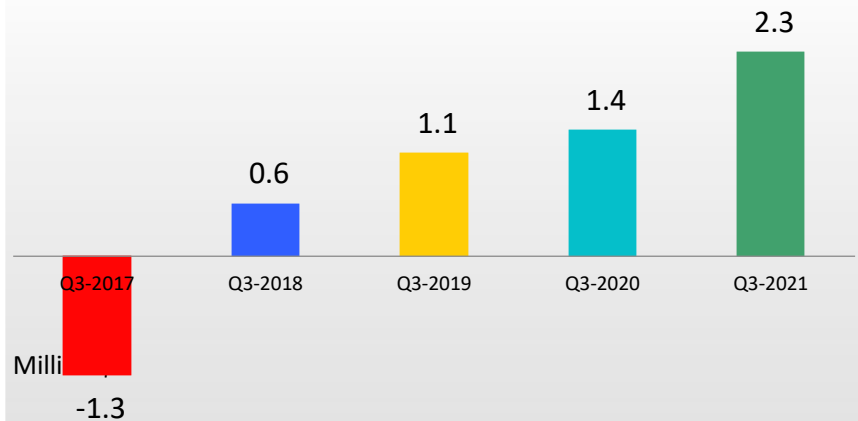
Million \$

Revenue



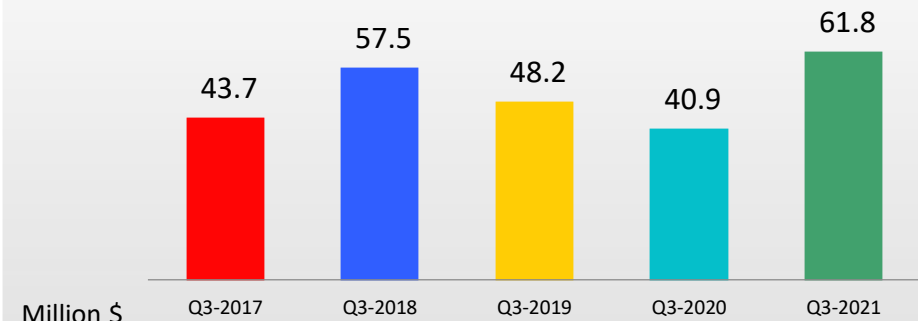
Million \$

Net Profit



Milli

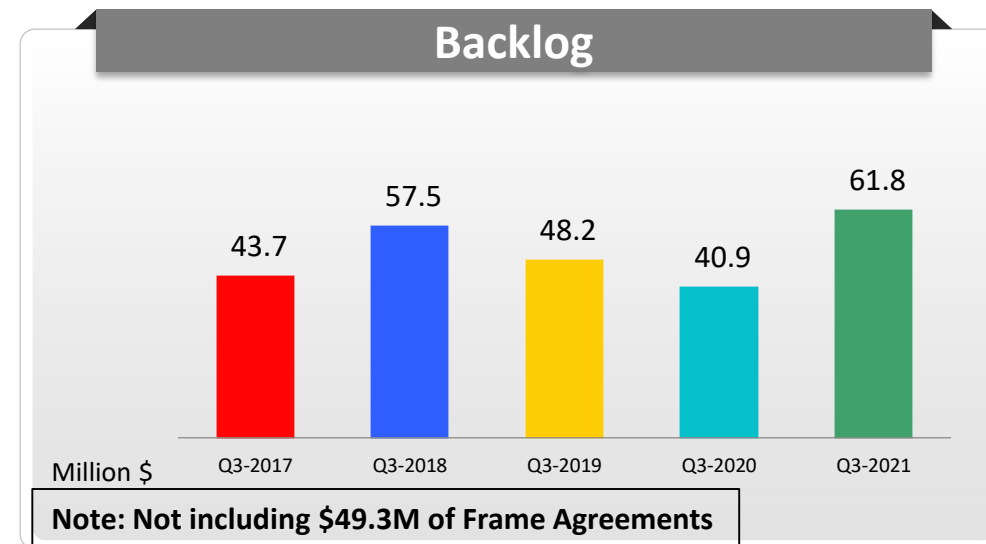
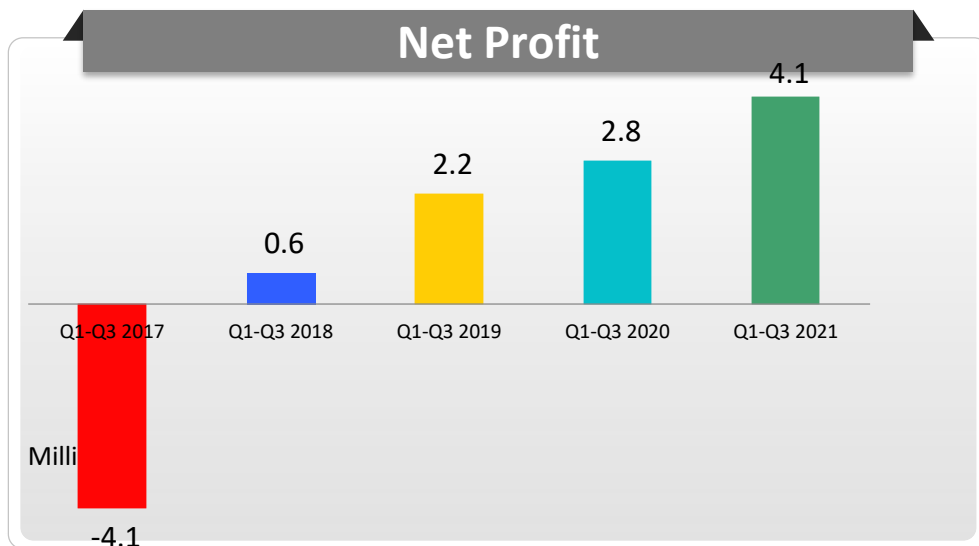
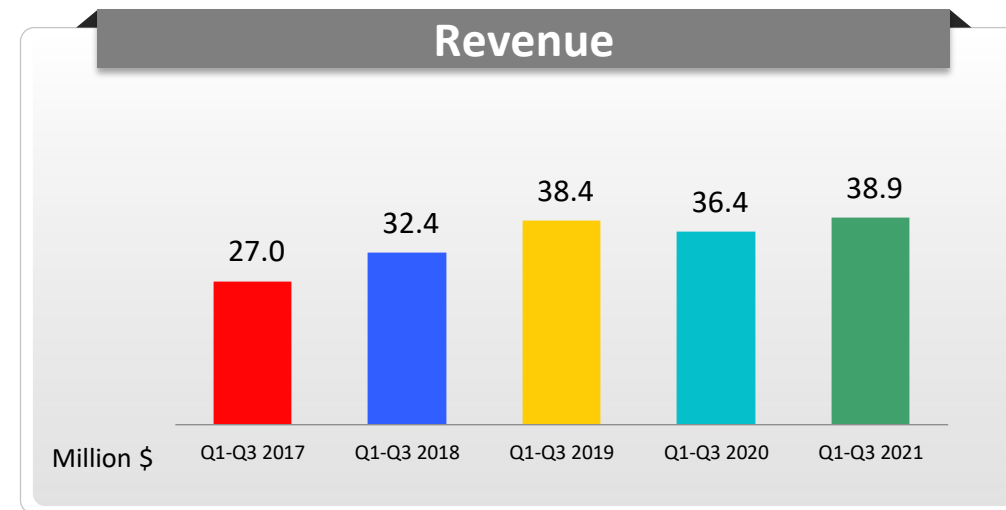
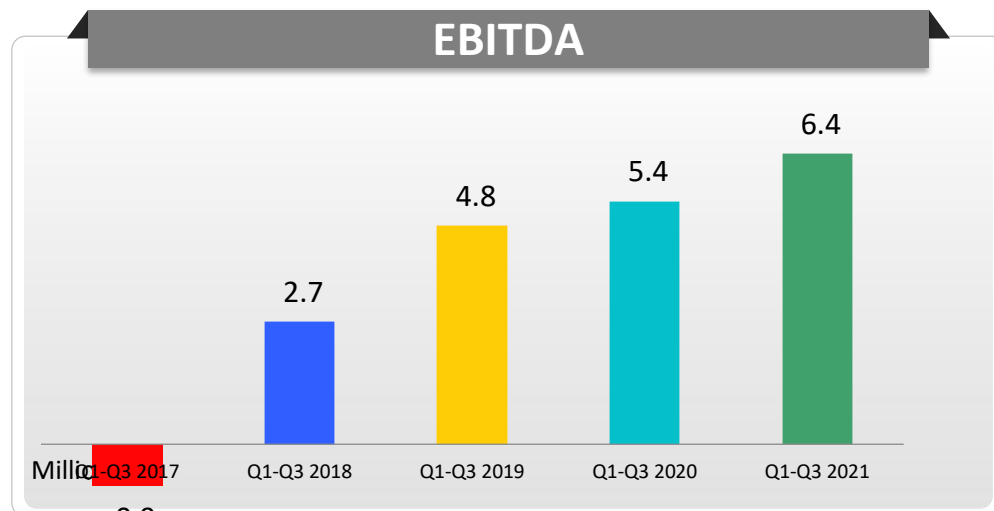
Backlog



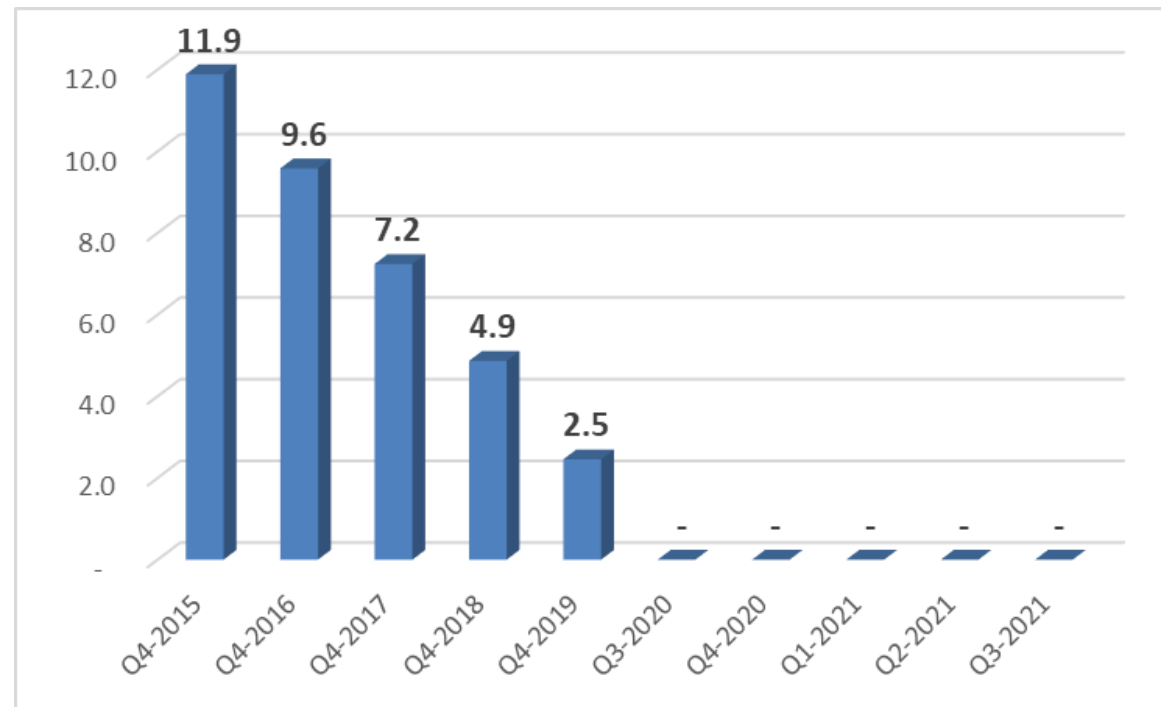
Million \$

Note: Not including \$49.3M of Frame Agreements

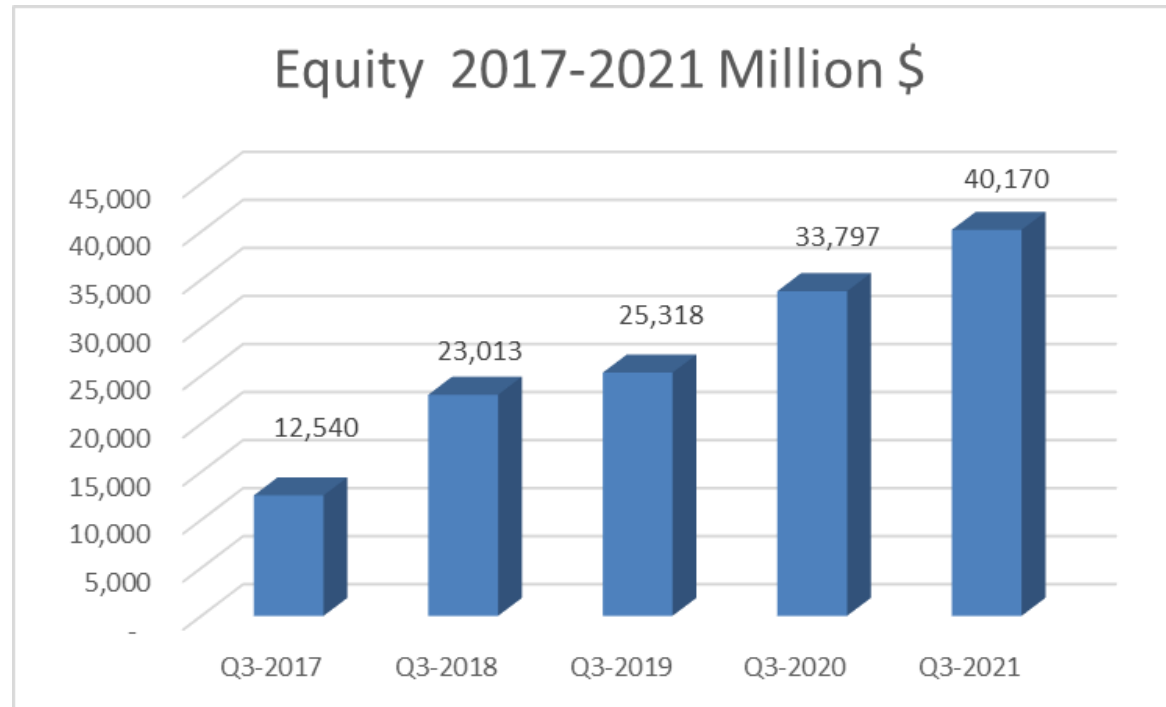
Revenue, Ebitda, Net Profit, Backlog 2017-2021 (Q1-Q3)



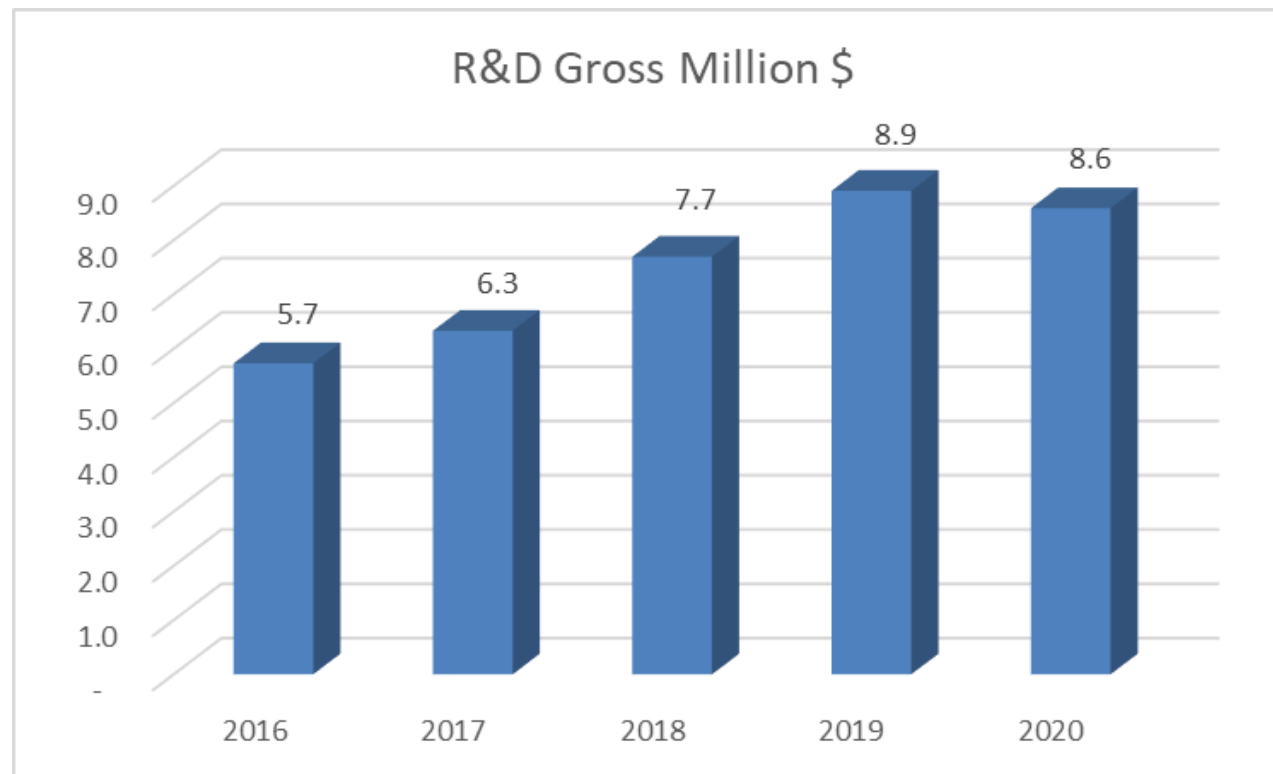
Debt declined (Million \$) Bonds



Growth in Equity



R&D Gross 2016-2020



Balance Sheet (Million \$)

ASSETS	31.12.17	31.12.18	31.12.19	31.12.20	30.09.21
CURRENT ASSETS					
Cash and cash equivalents & Sort-term deposits	13.3	12.0	17.4	23.6	25.6
Accounts receivable	10.8	10.6	12.2	11.5	11.0
Inventories	7.8	7.5	7.3	5.7	6.7
Amounts due for construction contracts	4.8	4.4	3.6	5.1	7.0
NON-CURRENT ASSETS					
Fixed assets	3.5	4.9	8.9	8.5	7.9
Intangible assets	5.2	5.8	5.8	5.5	5.7

LIABILITIES AND EQUITY	31.12.17	31.12.18	31.12.19	31.12.20	30.09.21
CURRENT LIABILITIES					
Current maturities of convertible bonds	2.4	2.4	2.5	-	-
Other accounts payable	9.0	10.9	11.2	13.7	14.2
NON-CURRENT LIABILITIES					
Convertible Bonds	4.8	2.4	2.5	-	-
Equity	22.3	23.3	30.9	35.7	40.2

Thank You