



MADE IN USA PATH TO 5G

NASDAQ: COMS
APRIL 2022



Certain of the information contained in this presentation may contain “forward-looking information”. Forward-looking information and statements may include, among others, statements regarding the future plans, costs, objectives or performance of the Company, or the assumptions underlying any of the foregoing. In this presentation, words such as “may”, “would”, “could”, “will”, “likely”, “believe”, “expect”, “anticipate”, “intend”, “plan”, “estimate” and similar words and the negative form thereof are used to identify forward looking statements. Forward-looking statements should not be read as guarantees of future performance or results, and will not necessarily be accurate indications of whether, or the times at or by which, such future performance will be achieved. Forward-looking statements and information are based on information available at the time and/or management’s good-faith belief with respect to future events and are subject to known or unknown risks, uncertainties, assumptions and other unpredictable factors, many of which are beyond the Company’s control. These risks, uncertainties and assumptions include, but are not limited to, those described under “Risk Factors” in the Company’s latest Annual Report on Form 10-K, and its Quarterly Reports on Form 10-Q. The Company does not intend, nor does the Company undertake any obligation, to update or revise any forward-looking information or statements contained in this presentation to reflect subsequent information, events or circumstances or otherwise, except if required by applicable laws.

The U.S.-Based End-to-End 4G LTE & 5G+ Telecom Solution Provider

- Product lines offer the extensive range of network hardware & software
- Arizona situated 140,000 sq. ft. manufacturing facility
- Proven track record of engineering breakthrough technology
- Highly experienced management team and Board of Directors & Advisors
- High value tech intellectual property / trade secret vaults
- Tethered aerial systems in use by DoD, DHS and other agencies
- First 5G aerial system delivered to customer in December 2020
- New line of Polaris – G1 telecom radios to market in 2Q – 2022
- Complete line (Polaris – G2) of common architecture radios in 4Q – 2022
- More than 700 telco network customers around the globe
- >\$1B of equipment in customer networks in > 100 countries

COMSovereign

Nasdaq: COMS

As of April 20, 2022

Share Price	\$0.56
Market Cap	\$44.9M
2020 Revenue	\$9.43M
Float	54.4M
Insider Holdings	33%
Headquarters	Dallas, TX

- STRATEGIC BUSINESS UNITS -

Global Telecom



Sky Sovereign



Power Systems



- According to the Nat'l Institute of Standard's & Technology ("NIST"), there will be **70 billion** connected devices in use by 2025.
- The overall 5G enterprise market in 2020 was estimated at USD **\$2.3B** and is further projected to reach **USD \$31.7B** by 2026 - a **CAGR of 54.4%**.
- Global Telecom Millimeter Wave Technology Market Size, Share & Trends Analysis Report 2020: Market size is projected to reach **\$7.38B** by 2027, registering a **CAGR of 37.01%**
- The increased growth of cellular stations, need for next-generation-ready network equipment for 5G networks, and constant advances in communication & smartphone technology, are major tailwinds pushing the growth of the global telecom equipment market.
- North America holds the largest share in the global telecom equipment market followed by the Asia-Pacific region and Europe, respectively.
- Strategic initiatives such as mergers & acquisitions, collaborations, expansion, and technology/product launch are primary growth strategies that telecom equipment makers are adopting to gain a larger competitive advantage.

TOP COMPETITORS

Ericsson – 18% (hardware centric)

Nokia – 32% (hardware centric)

Huawei – 22% (excluded from many markets)

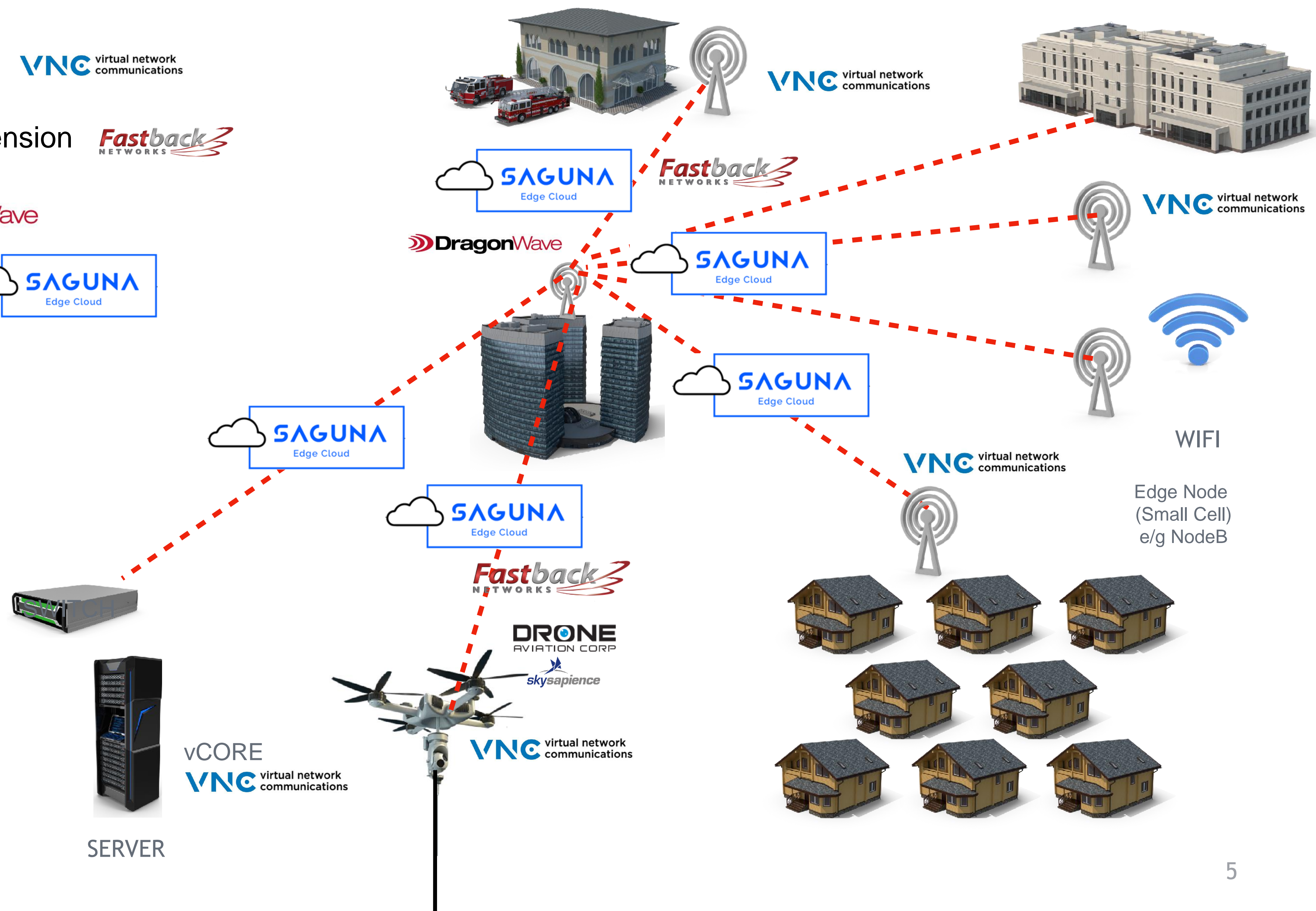
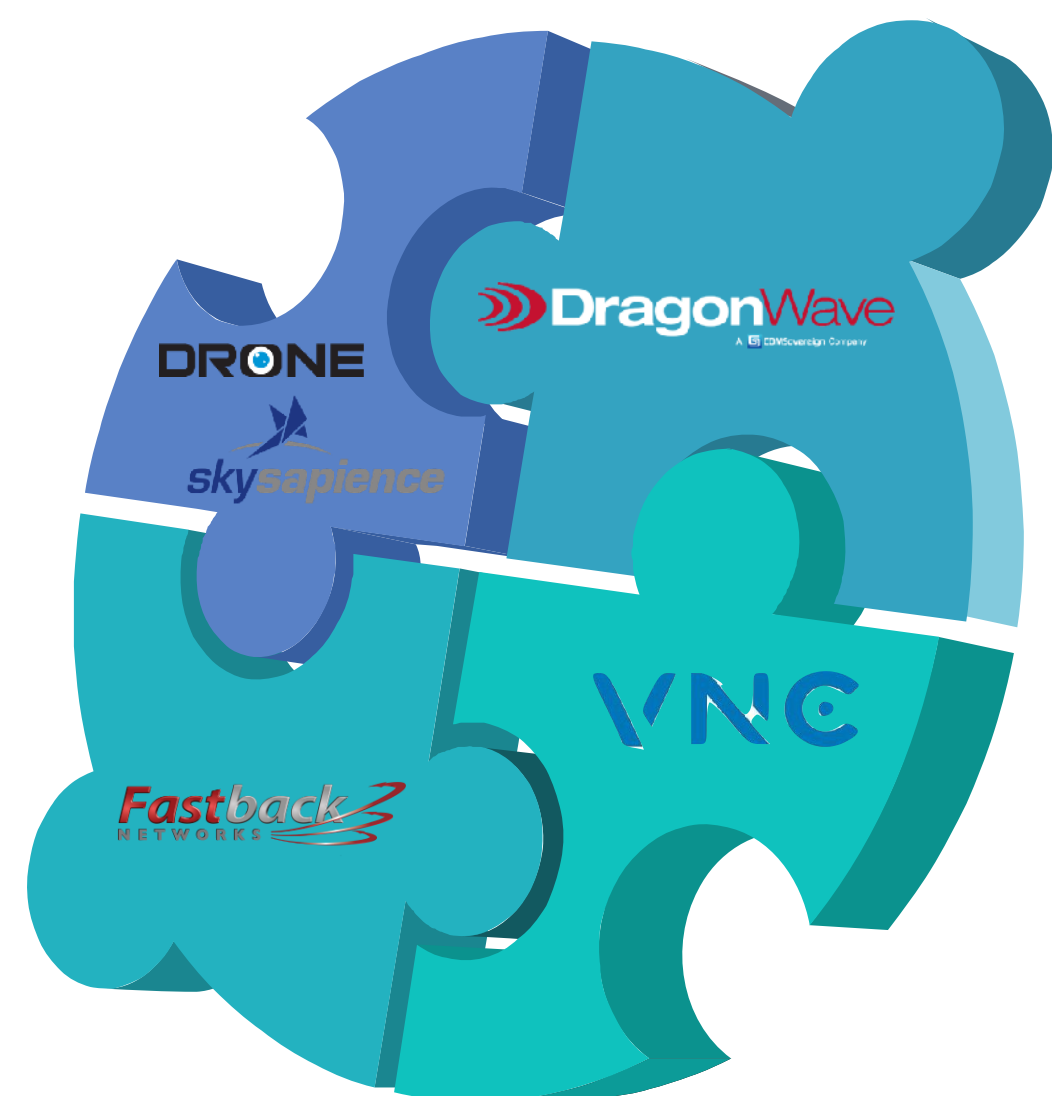
Ceragon – 36% (microwave only)

Mavenir

Aviat (microwave only)

- Edge and 4G/5G Access/FWA **VNC** virtual network communications
- Front Haul/PTP FWA/Lan Extension **Fastback** NETWORKS
- X-Haul/Transport **DragonWave**
- Mobile EDGE Computing **SAGUNA** Edge Cloud

Where We Fit In







MARKET LEADING BACKHAUL DATA SYSTEMS

High-Capacity Microwave and Millimeter-wave Backhaul Radio Units

- DWX - 20 years in the industry as a company of "firsts" – often copied, but never matched
- Over 330,000 installed locations in more than 100 countries worldwide
- The Platinum Standard Equipment in the Backhaul Industry – the Leader in Quality
- 2nd largest installed base of microwave backhaul equipment in America

PRODUCT TECHNOLOGIES

- Multi-Channel & Cross-Polarization – Each Doubling Capacity
- Fastback – Point-to-Any-Point Technology
- Advanced Waveforms (TM) & Full-Duplexing (LEXTRUM) in Polaris - G1
- Trunk and Hub Switching
- Over \$1B installed customer base representing 700+ customers
- Best-in-Class Packet Radios for Telecommunications and Data
- Vertical market sales channel

A TECHNOLOGICAL POWERHOUSE AND PIONEER IN 5G AND NG

Carrier Network Grade, Innovative AI-Driven Network Hardware & Software

- World's first miniaturized, fully virtualized 5G network Core (vCore)
- Instant standup of private 4G LTE and 5G networks anywhere on the globe
- Aerial network cores and eNB / gNB radio combined into single unit and in use
- Out-of-the-box LTE systems for research labs, mobile operators and public or private networks

PRODUCT TECHNOLOGIES

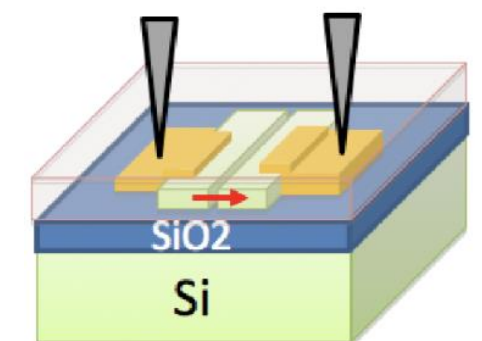
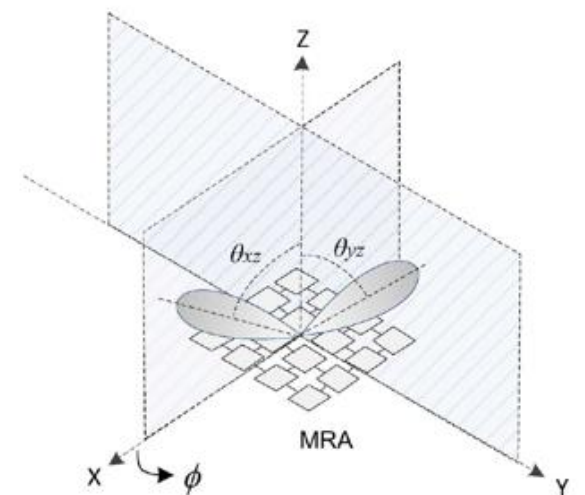
- Compliant with all 3GPP / 5G standards to date
- Broad frequency ranges including CBRS
- Multi-band, multi-operator LTE small cells for neutral host deployments
- Virtualized cores move network intel, power and flexibility to the edge
- Easy addition of 5G applications and services due to edge-centric virtual software architecture
- ***MOBILE EDGE COMPUTING!***



BEYOND “STATE-OF-THE-ART”

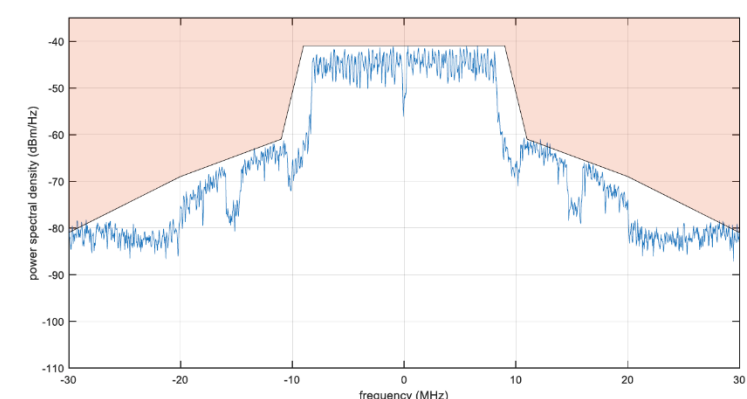
Lextrum – *In-Band Full - Duplex (“IBFD”)*

- With patented 120dB noise reduction technology – the usable spectrum **doubles**
- Testing near complete in LTE under the COMS FCC test license / 5G tests in Q2
- IBFD is absolutely critical in front edge, access radios for 5G to work efficiently
- Integrated Access & Backhaul or “IAB” is the envisioned lynchpin for 5G networks
- IBFD is being integrated into our COMS Polaris – G1 radios this year
- Wireless equipment makers not using the IBFD will be only half as efficient as those who do
- The business enterprise value of COM’s IBFD alone was valued at **over \$400 million** by Hilco



VEO – *Silicon Photonics*

- VEO’s solutions will dramatically increase bandwidth & reduce power demands in-and-out of fiber
- VEO technology offers a 20x efficiency gain (less power/more throughput) over the “state-of-the-art”
- New breakthroughs showing promise for Terabit-per-second data rates at lower power have yielded a patent-pending technology that is the future of chip-to-chip “light computing”



Innovation Digital – *Advanced Digital Signal Processing*

- Digital Pre-Distortion + Transpositional Modulation = Further Spectral Efficiencies

SOVEREIGN ENGINEERING -vs- THE COMPETITION

HIGHLY EXPERIENCED AND PROVEN TRACK RECORD

- The engineering team includes industry experts that have led many Tier-1 Telcos
- Sovereign Engineering teams have solved complex network issues for many Fortune 500 companies
- Proven track record of delivering extremely sophisticated network equipment
- Our engineers previously led Nortel, Sprint, T-Mobile & Light-Squared design teams



CAPABILITIES

- NextGen “Polaris G1” radio common-architecture line to release into the market FY 2022
- Vast experience in FPGA, PCB, ASIC, SDR designs including imbedded solutions
- Our internally developed IP and designs have resulted in over 150 critical patents
- All facets of hardware and firmware design and software development or integration
- Key, close relationships with best-in-class component and software providers
- Team leadership by CTO Dustin McIntire, PhD ensures smooth, on-time program success



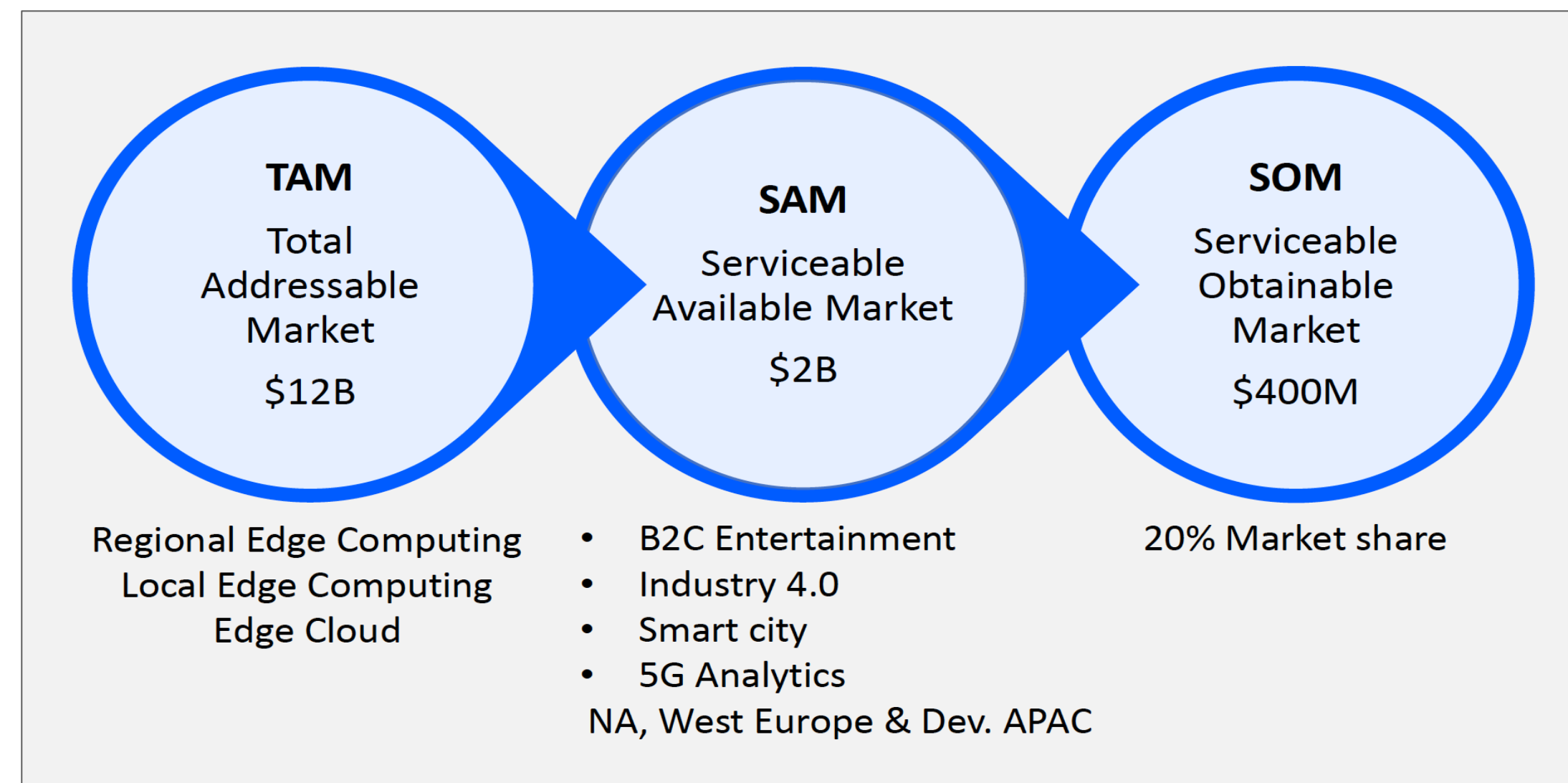
MOBILE EDGE COMPUTING

5G SPEEDS REQUIRE MEC

- For 5G to realize its promise of reduced latency, it must use MEC
- Saguna's MEC anchors the fastest 5G on the planet right now in South Korea
- Saguna selected by Hewlett-Packard & StarHub for its utility
- In the past 4 months multiple Tier 1's in Japan and Asia have selected Saguna



THE MARKET?



RAPID DEPLOYABLE PLATFORMS FOR TELECOM & SURVEILLANCE

Proven Track Record

- In use by Department of Defense and Dept of Homeland Security / CBP, Israeli military, Singapore Navy and other many international government & commercial customers
- Highly acclaimed for capabilities and ease of use in the field
- Technological developments well underway to remain best-in-class for telecom

PRODUCT TECHNOLOGY

- Tethered aerostat achieves up to 1,500' above ground for extended range
- Quad and hex rotor tethered units achieve up to 400' (900' for HM-L) above ground in minutes
- Fiber optic tether system provides secure, high-bandwidth LTE-Advanced and 5G capabilities
- Power provided from the ground for extremely long station-keeping abilities
- Tested and integrated safety features to prevent 'fly-aways' and ground incidents



DRONE
"WASP/ADAPT"



 **skysapience**
"HOVERMAST 100"

AI - DRIVEN INTELLIGENT BATTERY MANAGEMENT SYSTEMS AND LITHIUM POWER

Required Network Battery Power with Performance Multiples

- Long-life (up to 10x longer) & deep-cycle (tested to over 2K deep cycles at high temp) units
- AI algorithms provide predictive analysis and balanced operations
- Recharge time is 7 times faster over lead-acid units
- Environmentally friendly (LiFePO4 chemistry) and fully contained

PRODUCT TECHNOLOGY

- Compactly sized and relative weight minimized by nearly 50%
- Traditional network or iOS and Android apps for remote device management
- Built-in intelligent short-circuit protection
- Operates very favorably in extreme heat conditions
- Built-in self-heating feature to enable optimal, extreme cold weather operation



RUGGEDIZED Electro-Optical Systems for Multiple Markets

Providing Overwatch for Safety, Security and Reliable Communications

A Sole-Source Manufacturer for Various US DoD Vehicle Programs
with NSN and NATO Stocking Numbers

- Versatile engineering overcomes challenges to integrate total solutions where others have failed.
- Bringing advanced optics to the 5G Edge for exploding markets in spaces like Smart Cities worldwide.
- Experience in tactical communications / opening doors to US DoD and Int'l Military ops for COMSovereign.





“JUST-IN-TIME” SUPPLY CHAIN EQUALS CONTROL

COMSOVEREIGN HAS CONTROL OF ITS OWN MATERIALS SUPPLY CHAIN

- U.S. Based, 100% owned and controlled plastics and metals fabrication
- With control over supply chain, inventories are minimized, value is maximized
- Customer priorities and customized needs are easily accommodated & volumes flexible
- Lead-times are reduced by up to 80% and costs by up to 40%

CAPABILITIES

- Thirteen large plastic injection-molding plants produced >20 million parts in prior year
- Highly experienced machinists create metal molds from e-files in hours/days
- Radio cases, mounting brackets, housings, battery cases, etc. – all in days
- No minimum or maximum orders, and changes/edits are easily handled
- High volume of external sales aid in profitability

- April 2022** - COMSovereign's Chief Financial Officer Departs for Personal Family Commitments; Company Currently Recruiting for New Chief Financial Officer
- March 2022** - COMSovereign to Bring its 4G and 5G Technologies and Drone-Based Aerial Communications Platform to IWCE 2022 in Las Vegas
- February 2022** - Dr. Scott Velazquez, COMSovereign's Chief Research Officer Selected to Present Three Breakthrough Communications Technologies at GOMACTech 2022 Conference
- January 2022** - LTAS, a Division of COMSovereign Awarded \$8.4 Million Multi-Unit Aerostat Subcontract from U.S. Government Prime Contractor
 - COMSovereign Announces Preliminary Fiscal 2021 Revenues to Exceed \$15.8 Million Representing a Year-over-Year Increase of Over 68%
- November 2021** - COMSovereign Introduces Lextrum ASTARA™ Electronically Reconfigurable Antenna Technology Enabling Full-Duplex Simultaneous Radio Frequency Transmission and Reception
 - COMSovereign Reports Third Quarter 2021 Financial Results; Company Utilizes Internal Engineering and Expands Component Sourcing to Address Ongoing Supply Chain Disruptions
- October 2021** - COMSovereign Announces Pricing of Public Offering of 320,000 Shares of Series A Cumulative Redeemable Perpetual Preferred Stock
 - COMSovereign Delivers 5G O-RAN System to the National Institute of Standards and Technology ("NIST") Under 5G Cooperative Research and Development Agreement

- **DANIEL HODGES – CHAIRMAN, CEO & CO-FOUNDER**
26+ years as military officer, SR. F-16 instructor pilot, entrepreneur, author, investor, founder of multiple aerospace, marine intelligence, comms and scientific R&D Companies
- **JOHN HOWELL – PRESIDENT, DIRECTOR & CO-FOUNDER**
Extensive senior management experience in Gov't & industry, Fulbright scholar, Army Ranger Officer and CIA capacities, director MDA, co-founder of Willowdale Financial
- **DUSTIN MCINTIRE, PhD – CHIEF TECHNOLOGY OFFICER**
Electrical design engineer with 20+ years of experience designing hardware and software for embedded and consumer electronics, wireless communications systems and IoT
- **HAROLD “BUD” PATTERSON – CHIEF OPERATING OFFICER**
Proven program manager with 30+ years of operational and engineering experience in the development of wireless communications systems and semiconductors
- **JAMES MARKS – INDEPENDENT DIRECTOR**
U.S. Army General (ret.), US Military Hall of Fame Intelligence Member and an analyst to the U.S. Congress, NATO, universities and CNN
- **RICHARD BERMAN – INDEPENDENT DIRECTOR**
35 years of venture capital, senior management, M&A experience, attorney, former Director of the Year - NY
- **KAY KAPOOR – INDEPENDENT DIRECTOR**
30 years leading complex organizations, COO of Lockheed Martin's IS7GS Division, Chair & CEO of Accenture Federal Services, President - AT&T FirstNet
- **BRENT DAVIES, CPA – INDEPENDENT DIRECTOR**
35+ years of diversified public accounting expertise, professional witness with IRS, SEC and Treasury Department



- COMSovereign is a U.S. based LTE & 5G+ network provider
- Product lines - a range of network hardware, software & cloud
- 5 quarters of sequential revenue increases
- Proven track record of engineering breakthrough technology
- Successful, highly experienced management team
- High value tech intellectual property / trade secret vaults
- MEC technology anchoring fastest 5G deployment on earth
- Expanding business with Tier-1 Customers globally
- New breakthrough line of telecom radios offering in 2022
- More than 700 telco network customers around the globe
- >\$1B of equipment in customer networks in > 100 countries



THE AMERICAN 5G STORY

NASDAQ: COMS

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