



Taiwan-U.S. Cooperation on Low Earth Orbit Satellite Communication

Ubiqconn Technology
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Chairman

Agenda

- 01 About Ubiqconn
- 02 SATCOM Market Observation
- 03 Taiwan & US Strong Alliance
- 04 Ubiqconn Satellite Strategy

Ubiqconn

Ubiqconn

||

Ubiquitous

+

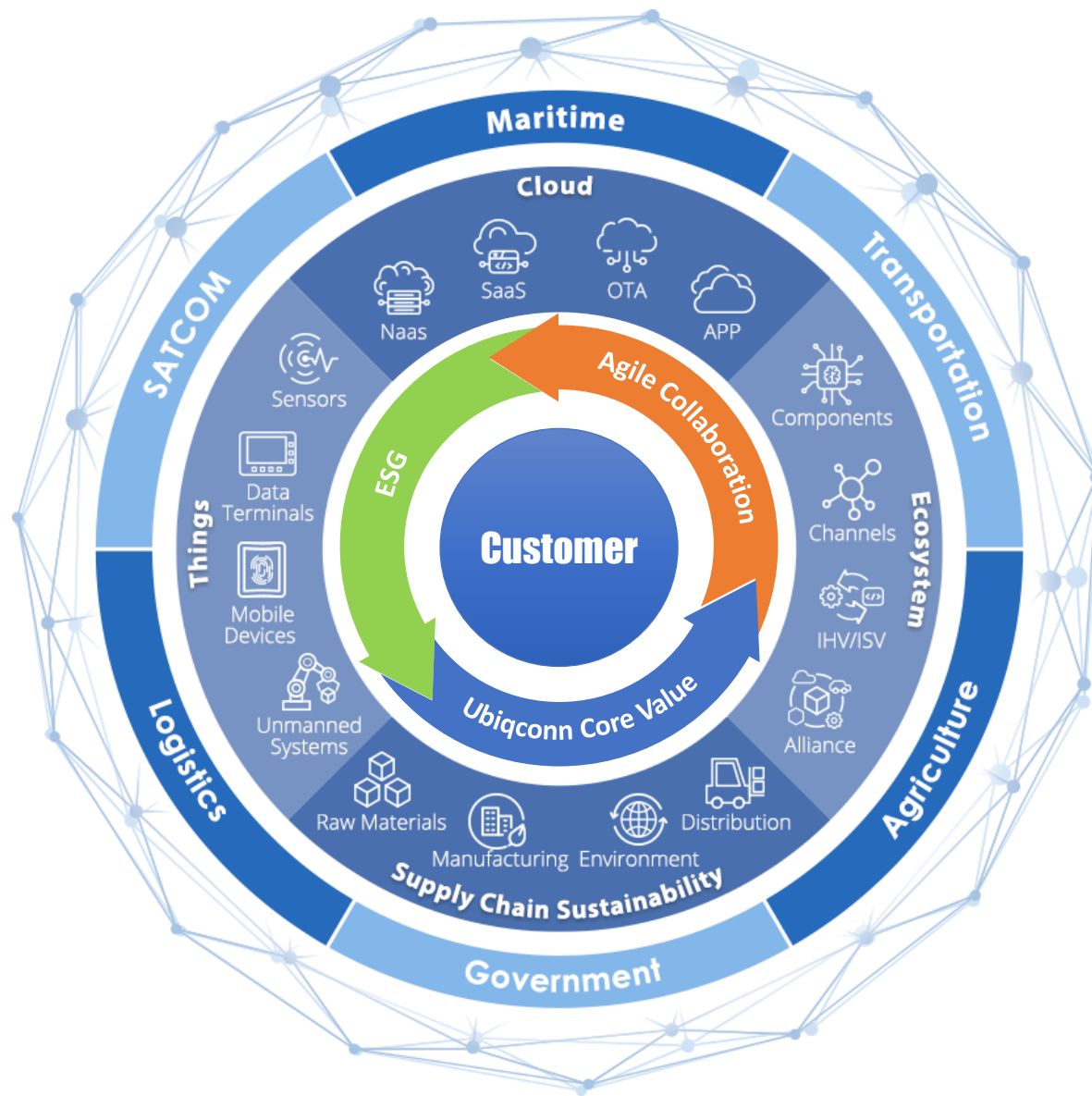
Connectivity

Ubiqconn specializes in providing comprehensive ubiquitous-connectivity products and services tailored to various vertical markets.

As a frontrunner in the satellite industry, the company focuses on critical sectors, including Satellite Communication, Agriculture, Logistics, Maritime, Transportation, and Government projects.



Vision – Ubiquitous Connectivity



Competitive Edge


Product

Technology

Light

Rugged

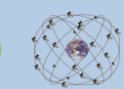
Meeting
Room
Mgmt.Semi-
Rugged
TabletRepeater
DisplayRugged
MonitorMaritime
Panel
ComputerRugged
TabletVehicle
Mount
ComputerSATCOM
VOIPSATCOM
Mobile
GatewayRugged
Data
CollectorGovt.
System


5G Sub-6
5G mmWave
AT&T & Verizon
Cert.
WiFi 6E/BT 5.2


Dead
Reckoning



LEO

GPS
GLONASS
BeiDou

UHF RFID



RTK(2.5CM)



P/E



OBD2 J1939
RAW CAN ISO-11898
MI-CAN ISO-11898
CAN Bus H Line
CAN Bus L Line
CAN Bus Protocol
+ ISOBUS

Connectivity

MIL-STD
810HMIL-STD
461G

IP 68



6 feet

UV
Resistant

1000 H



-40 °C



+71 °C

Ruggedness



IP



Windows 11

Android 12
+ GMS

OS



freeRTOS

S/W
API

PCAN SDK

BMC +
CMSubsystem Control, Integration
& Diagnostics

API



DashON

ADI (Agile
Driver
Installer)

APP

VITA 46.11
Chassis ManagerMD
M


OTA

EM
M

Cloud

SATCOM is the Last Mile for Ubiquitous Connectivity

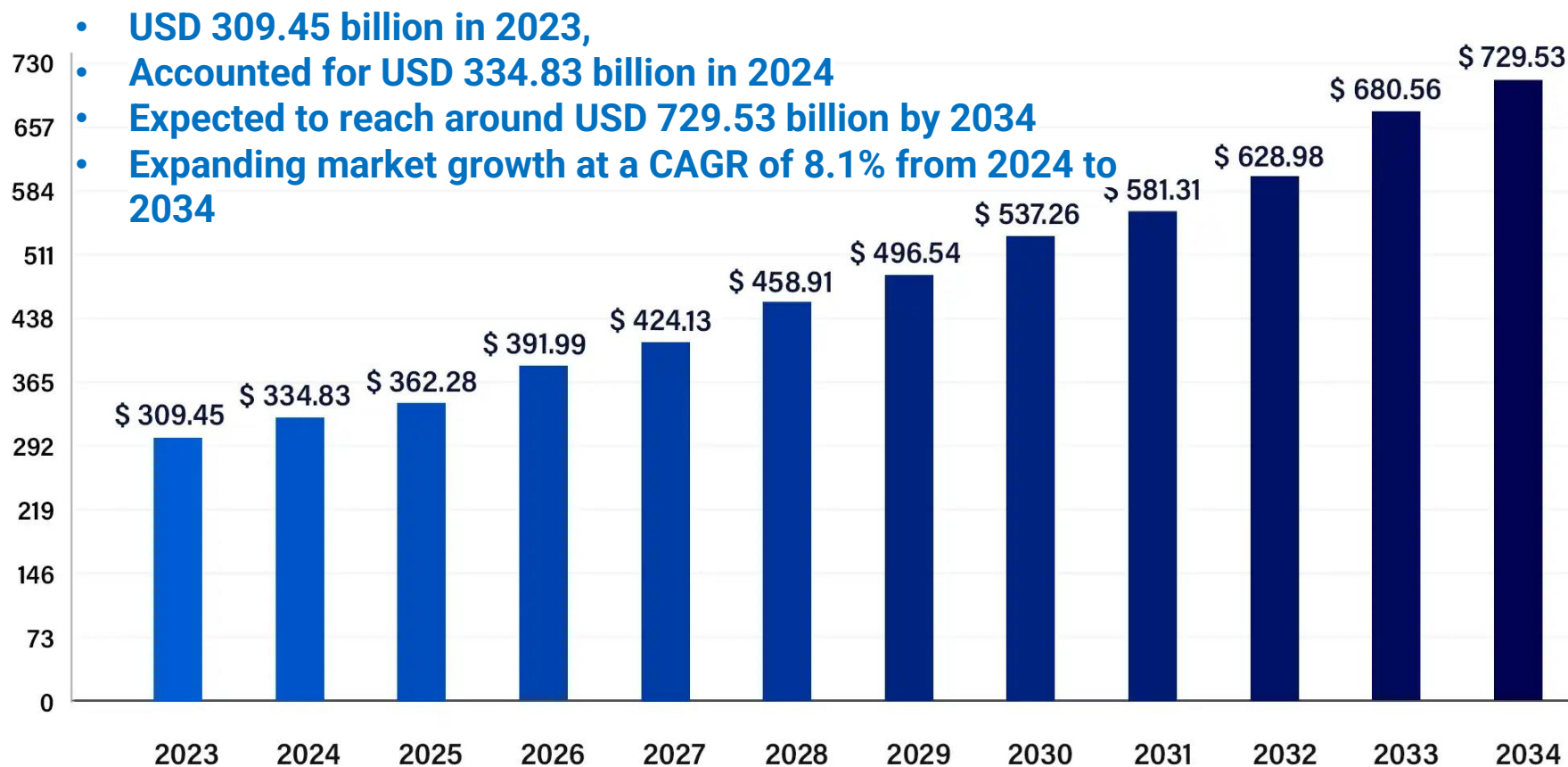
**Terrestrial Network
only covers 20% of Earth**

 Terrestrial network coverage

 iridium

Global Satellite Market

Satellite Market Size 2023 to 2034 (USD Billion)



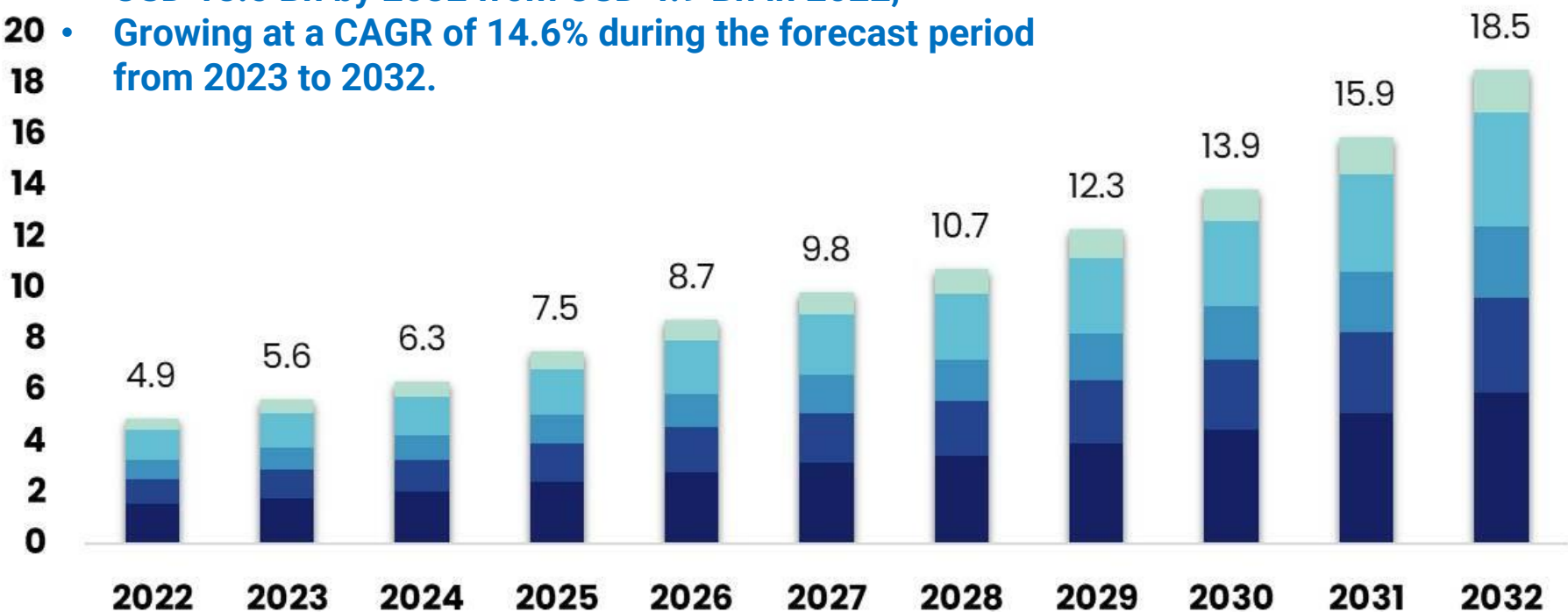
Global LEO Satellite Market

Small Satellite Market

Size, By Satellite Type, 2022-2032 (USD Billion)

■ Minisatellite
■ Microsatellite
■ Nanosatellite
■ Picosatellite
■ Femtosatellite

- USD 18.5 Bn by 2032 from USD 4.9 Bn in 2022,
- Growing at a CAGR of 14.6% during the forecast period from 2023 to 2032.



The Market will Grow
At the CAGR of:

14.6%

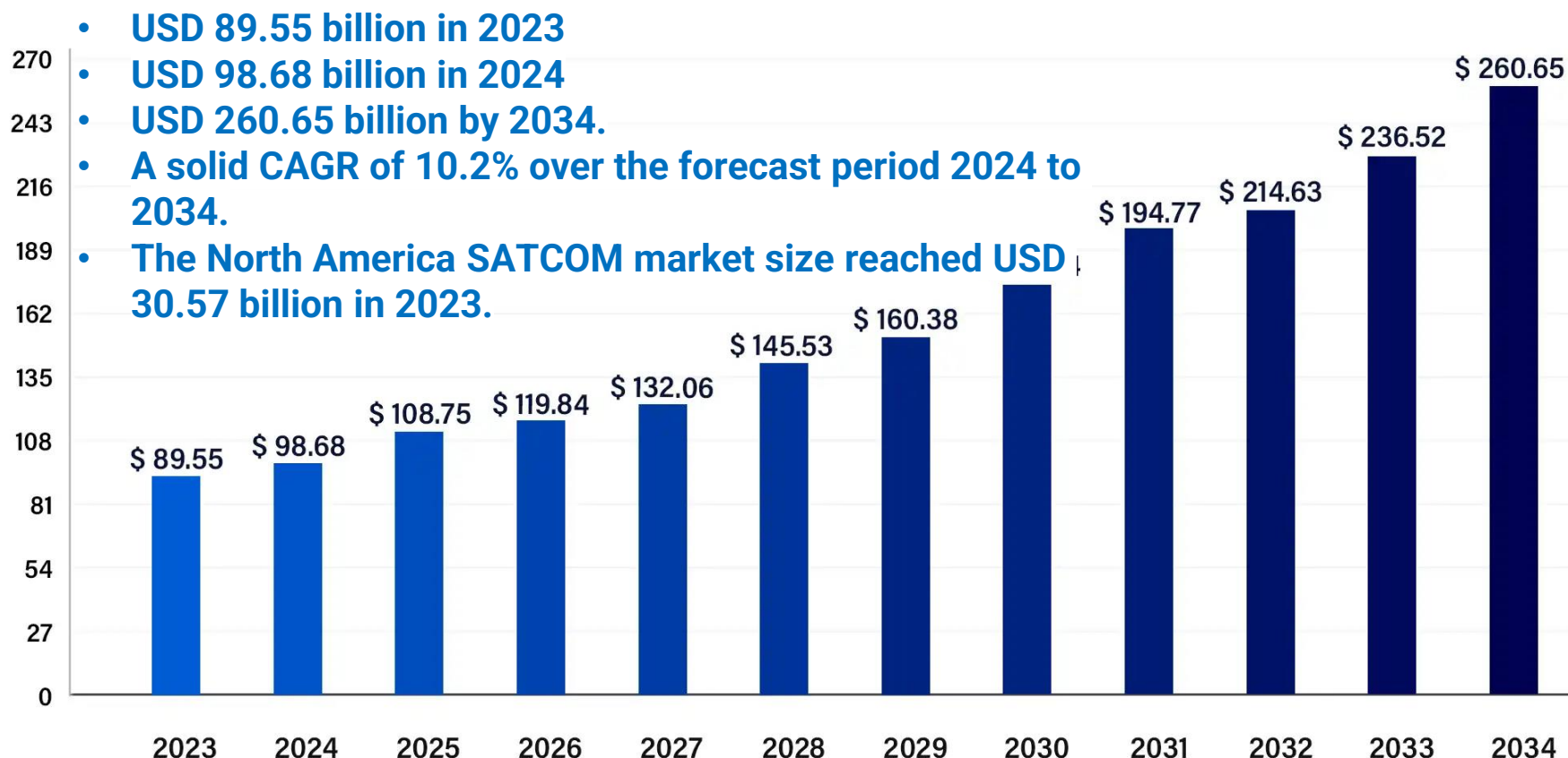
The forecasted market
size for 2032 in USD:

\$18.5B



MarketResearch
WIDE RANGE OF GLOBAL MARKET REPORTS

Global SATCOM Market



Satellite Market Overview

2023 Global Satellite Industry Revenues

The Satellite Industry in Context

(2023 revenues worldwide in billions of U.S. dollars)

Non-Satellite Industry

Government space budgets
Commercial human spaceflight

\$300M+
Space
Sustainability
Activities



\$7.2B
Launch



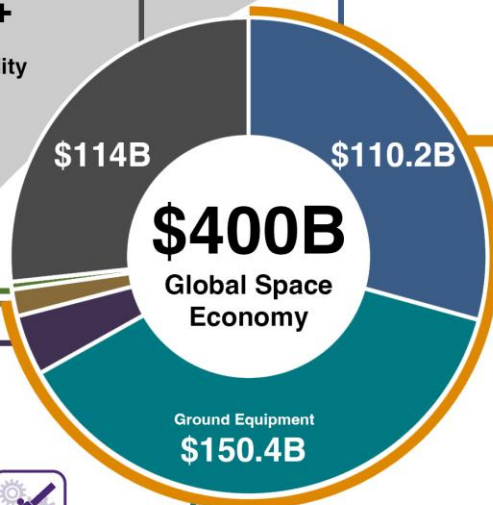
\$17.2B
Satellite
Manufacturing

Ground Equipment

Network Equipment
Consumer Equipment

Satellite Services

Telecommunications
Remote Sensing



\$285B
Satellite
Industry
71% of
Space
Economy



Satellite Services

2023 Revenues:
\$110.2B

\$65.7B **\$44.5B**

Consumer **\$88.8B**

Satellite TV (DBS/DTH)
Satellite Radio (DARS)
Satellite End-User Broadband

Enterprise **\$18.2B**

Transponder Agreements
Managed Services Over FSS Bands
Mobile Voice and Data Over MSS Bands

Remote Sensing **\$3.2B**



Ground Equipment

2023 Revenues:
\$150.4B

\$18.2B
Consumer Equipment
(Satellite TV dishes, etc.)

\$115.5B
GNSS Equipment
(GNSS devices/chipsets)

\$16.7B
Network Equipment
(VSATs, gateways, etc.)

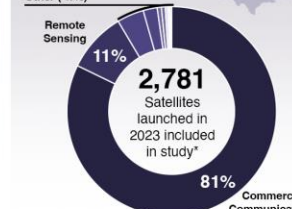


Satellite Manufacturing

2023 Revenues:
\$17.2B

\$9.3B

R&D (4%)
Military Surveillance (2%)
Navigation (1%)
Civil/Military Communications (<1%)
Scientific (<1%)
SSA/Satellite Servicing (<1%)
Other (<1%)

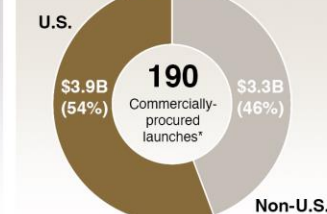


Satellites Launched by
Mission Type



Launch Industry

2023 Revenues:
\$7.2B



Commercial Launch Revenues
by Region

Changing Industry Dynamics: Increasing Affordability and Productivity, New Capabilities

Improved capability, innovative application of smallsats
New applications, new models
More capable, lower cost GEO satellites

Satellite Manufacturing

Increased launch activity
Changing launch landscape

Launch

Massive telecom constellations of smallsats delivering service
More GEO satcom capacity enabling new services
More commercial remote sensing choices, capabilities

Satellite Services

Debris removal
Moving satellites
Space Sustainability Activities

Life extension
SSA

Servicing
In-orbit assembly

New satellite activities contributing to in-orbit sustainability

Growing on-the-move connectivity

Sat to cellphone capability deploying

Broadband, satellite radio installations on the rise

5.6B GNSS satellite-enabled smartphones, other devices

Television viewership changing from traditional models

Ground Segment

Changing industry dynamics provide increased end user benefits

- Increasing productivity
- Increasing affordability
- New capabilities
- New space sustainability concepts
- Greater resiliency
- Economic growth

End Users

Consumer, industry, government, and non-profits

All sectors of the economy

Global

Prepared by:

BRYCE
TECH

Strategic Partnership



Exploring Space Development- A Catalyst for Innovation and Economic Prosperity



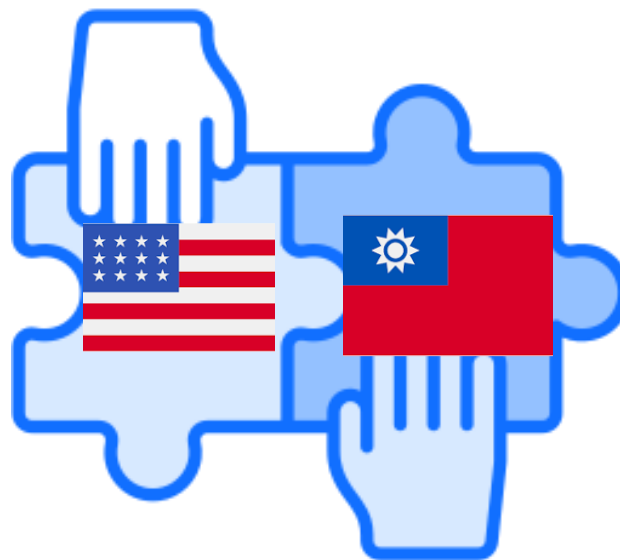
Satellite Manufacturing and Launching: Driving Connectivity and Growth



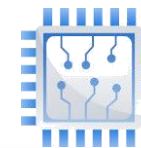
Satellite Orbit Operator Ensuring Optimal Satellite Performance



Satellite Communication Enabling Global Connectivity



Create a formidable collaboration in the aerospace and satellite industry



Advanced Semiconductor & Component Ecosystem



**Strong Technical Capabilities
Mature ICT System Integration Experience**

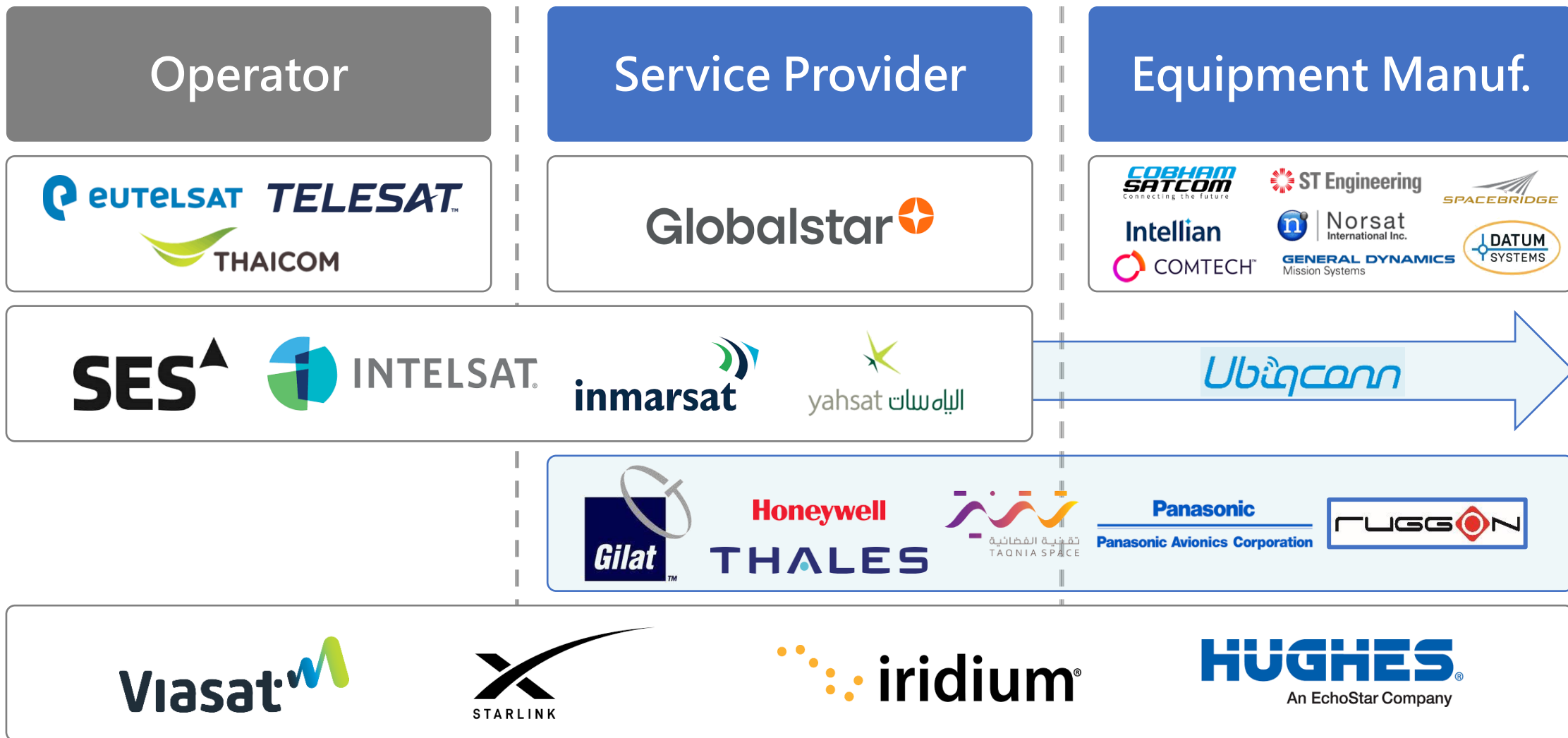


Comprehensive System Supply Chain



**Taiwan Government's policy support
accelerate innovation**

SATCOM Value Chain

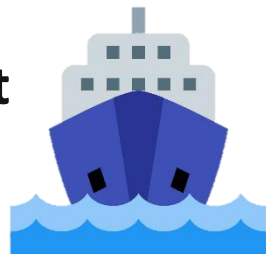


Ubiqconn

Why Ubiqconn

Maritime Market Leadership

Over 8 Years of
Experience with 30% Market
Share from the World's #1
Customer Account



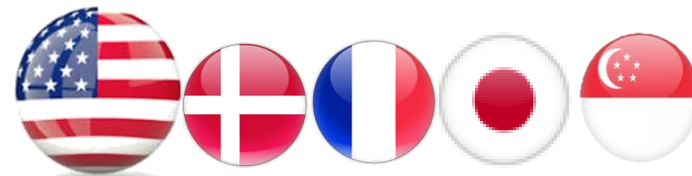
Iridium: The World's #1 L-Band Design-Ready Rugged Tablet



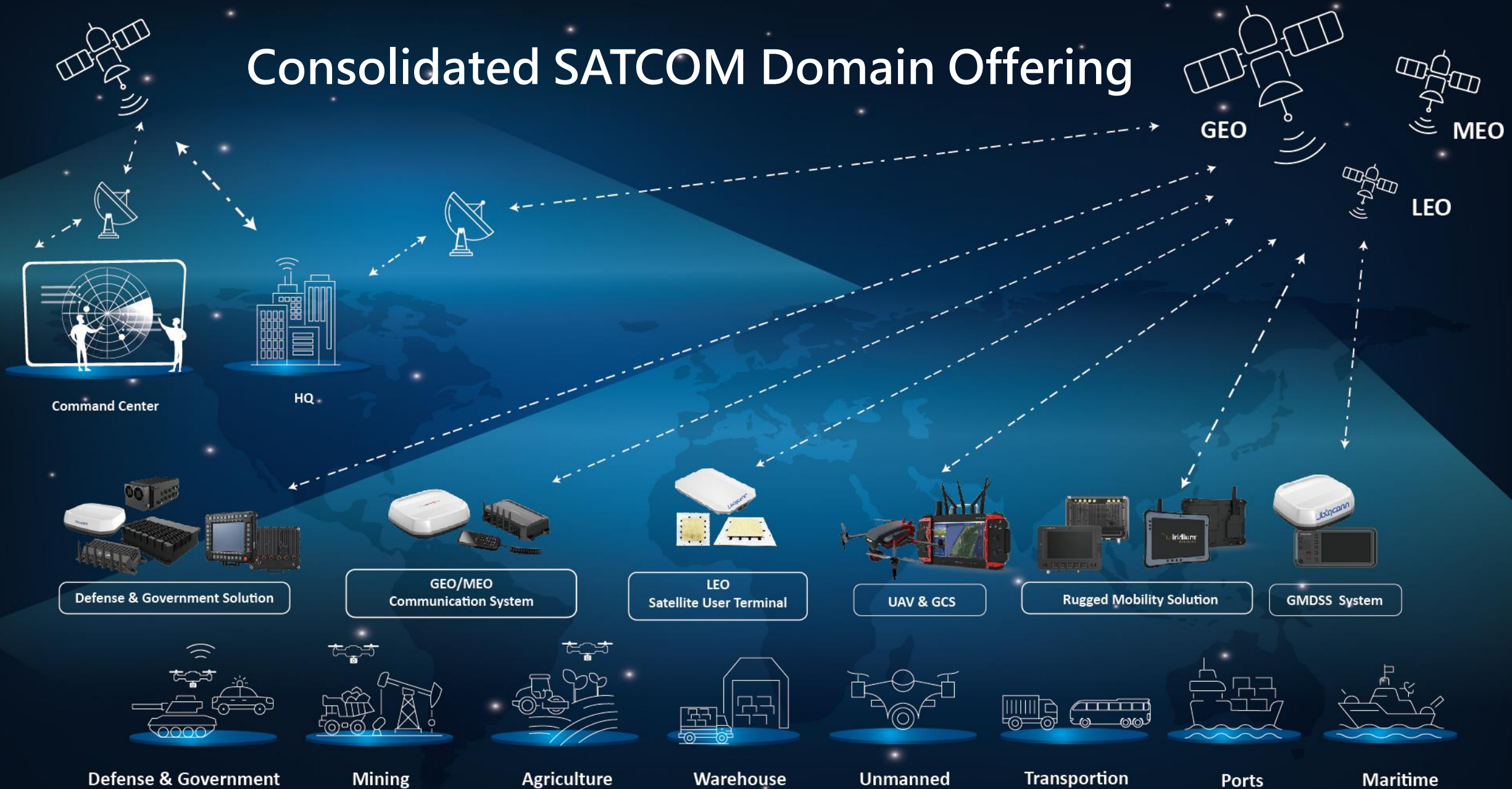
**COBHAM
SATCOM**

**Unique Competence and
experiences in SATCOM UT,
VOIP and SATCOM IoT devices**

Leveraging our extensive expertise in
satellite technology and system integration,
we provide innovative solutions that
enhance Apple's connectivity offerings



Consolidated SATCOM Domain Offering



All-Round Collaboration with Customer



Advanced Innovation

Strong Consolidation
across the board



Supreme Quality

- Keep connectivity at sea, in the air and on land.
- Great capacity, bandwidth and data speed in pole-to-pole data service
- Safety communications



All-Inclusive-Service

- From concept to go-to-market, we create the unique product match your need with you.
- Board solution offering - Sensing 、Computing 、 SaaS to Cloud Service



Supply Chain Integration

Incorporate and manage uncertainty and risk within supply chain management

The market leader in satellite & radio communication technologies and solutions on land, aviation and maritime.

A trusted partner with proven records of All-Inclusive-Service & Solutions for global well-known brands.

