



endpoint intelligence

Key to the Future of Electronics

Fumihide Esaka
Chairman and CEO

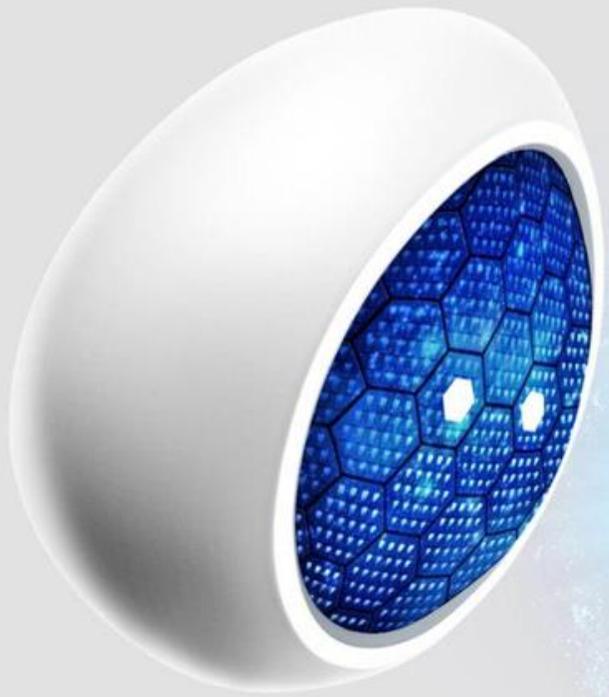


Today's IoT Endpoints

Plugged into the wall

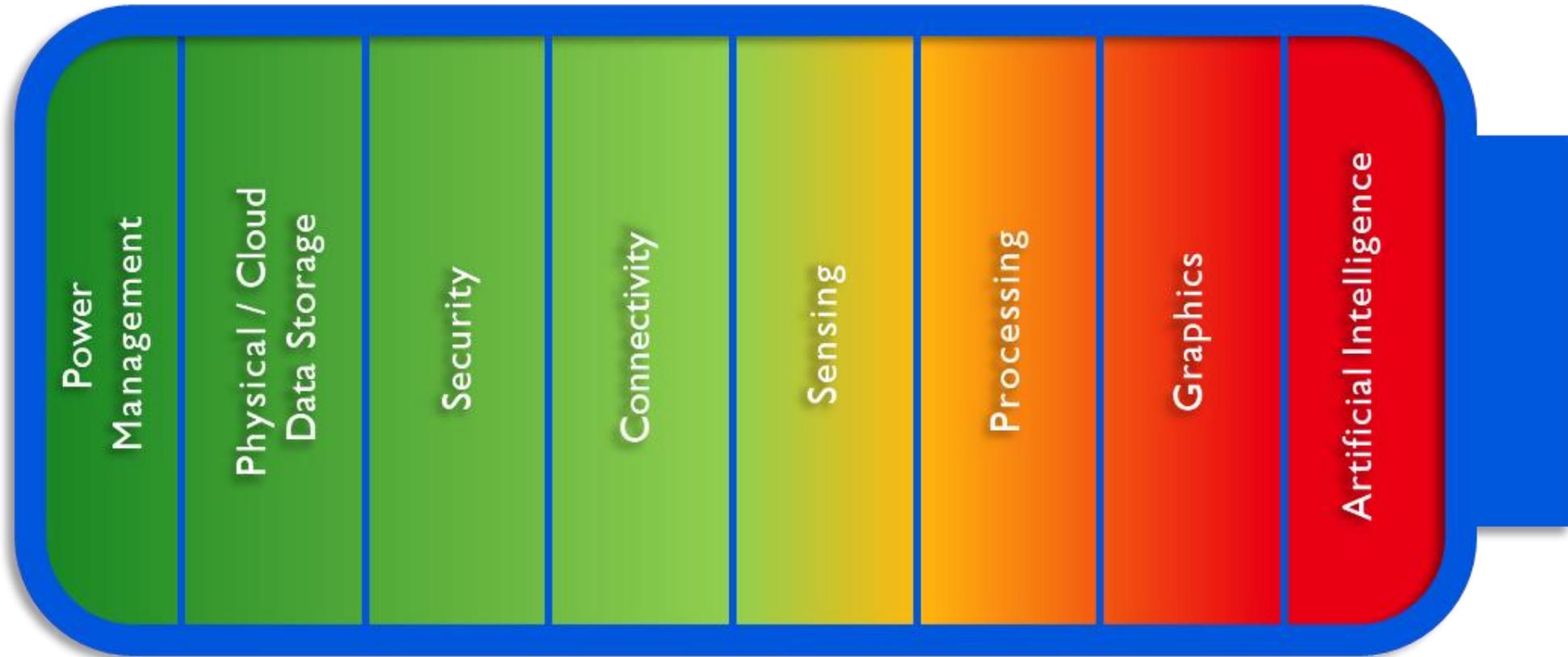
Constant or frequent charging





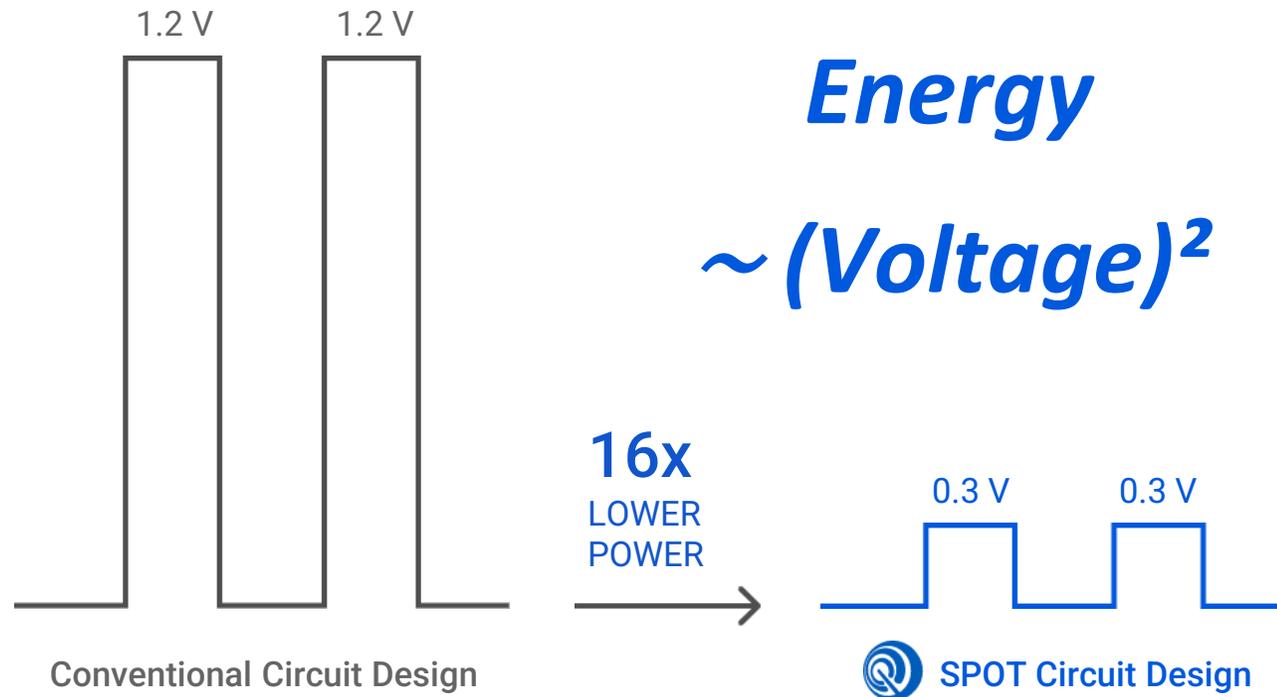
Power!

Power Usage is a Key Consideration in Today's Increasingly Complex Electronic Systems



SPOT[®]

Subthreshold Power-Optimized Technology Enables Subthreshold Design



Subthreshold design requires overcoming complex challenges...



Process Variations



Voltage Fluctuations



Temperature Fluctuations

...Which SPOT has overcome and mastered



Launched Versa 4, Sense 2 and Inspire 3 in August 2022

Apollo4 powers Inspire, Versa and Sense product lines Fitbit

Multi-day battery life, even when on "always on" display"

Supports next-gen features such as Afib detection, stress, GPS, blood oxygen and heart-rate



Launched Fenix Watch 7 Series in January 2022

Apollo3 powers Garmin's Fenix series, which competes with the Apple Watch Ultra

Fenix series has a battery life of almost two weeks under normal use

Ambiq performs complex algorithmic & AI-based sensor processing locally while using little power



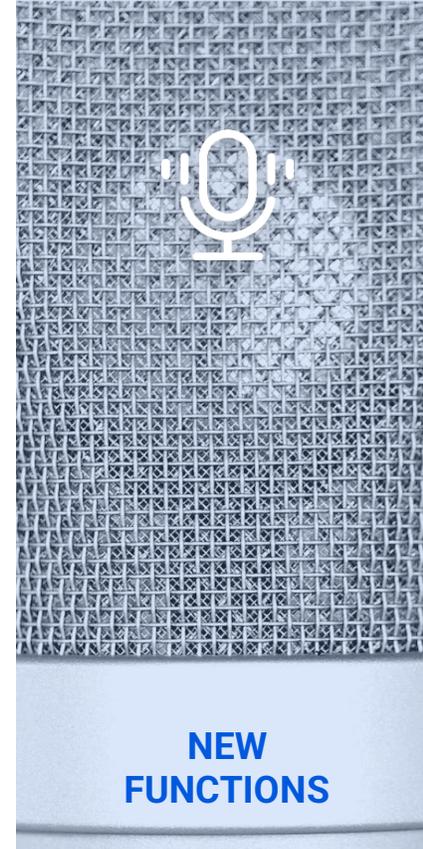
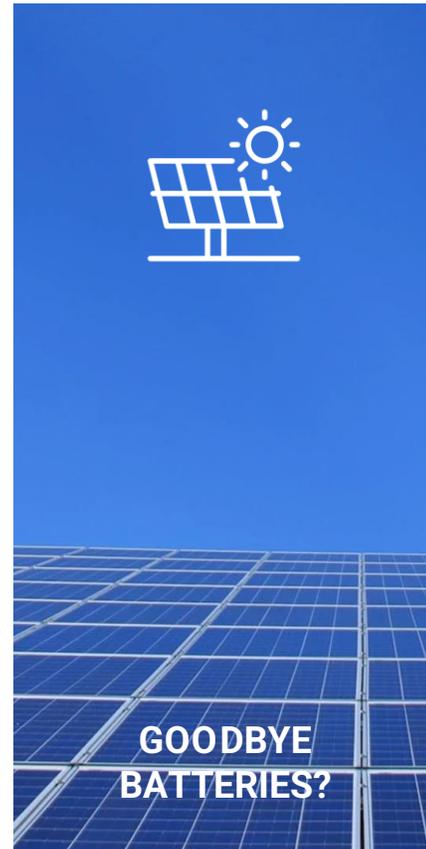
Launched Watch 2 Series in July 2021

Custom Apollo4 chip developed in partnership with Oppo

Apollo4 sits next to Qualcomm Snapdragon for compute offload

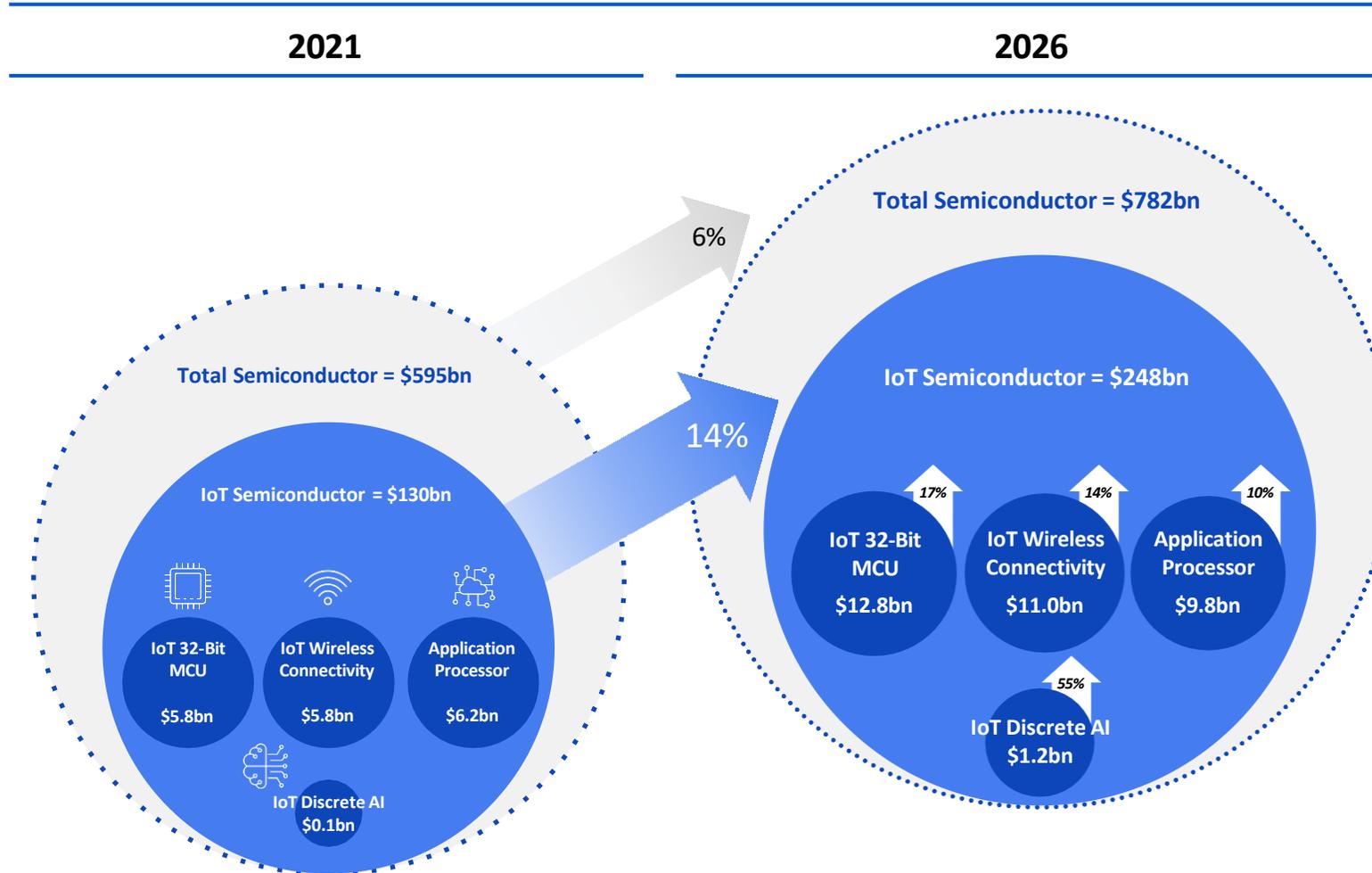
Enhanced battery life to 4 days; 16 days on power save mode

The Possibilities of Energy Efficiency for IoT Endpoints



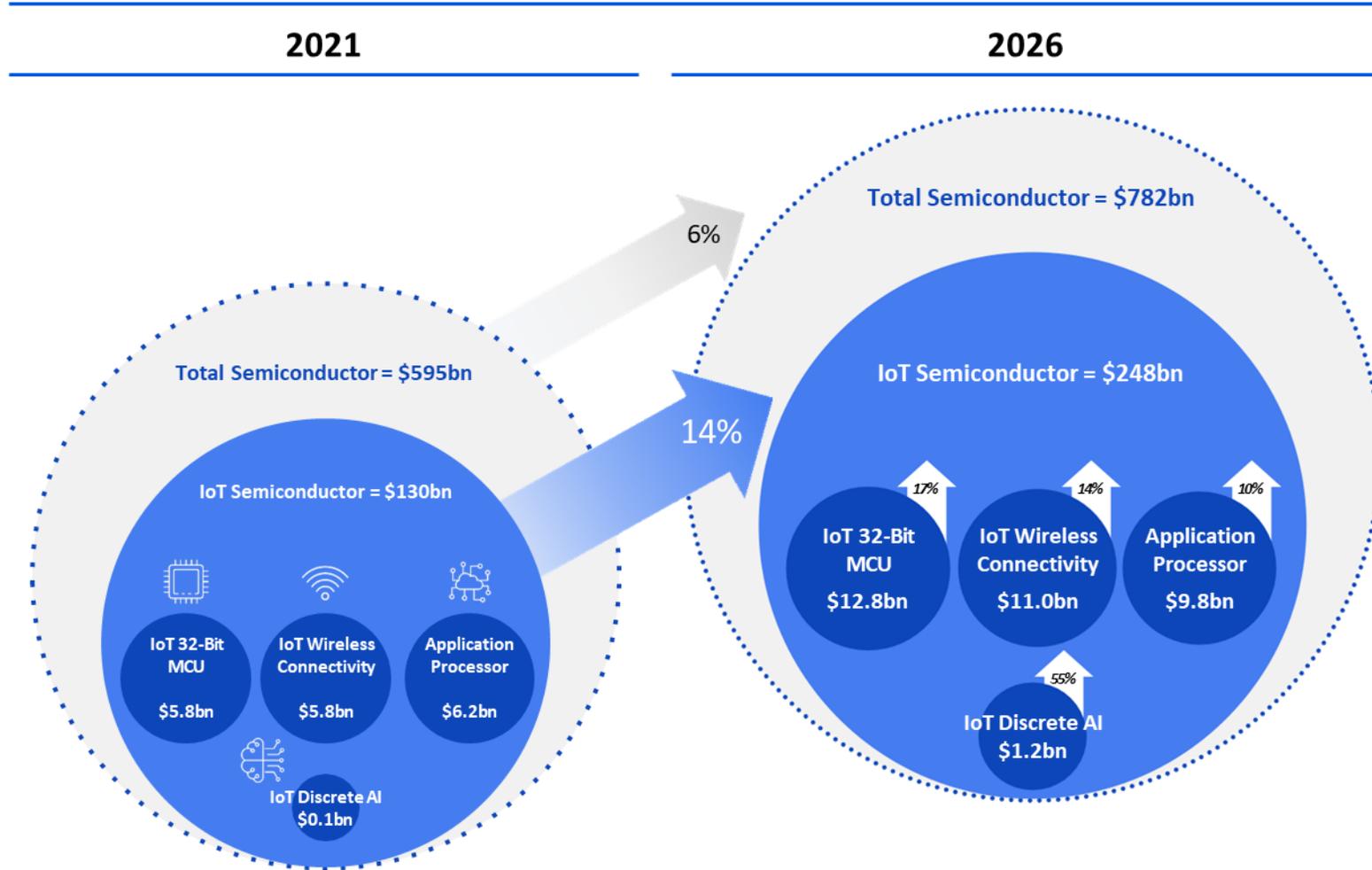
Large and Growing TAM

IoT Semiconductor Market



Sources: Gartner's Forecast: AI Semiconductors, Worldwide, 2020-2026; Forecast: IoT Semiconductors, Worldwide, 3Q22 Update; Semiconductor and Electronics Forecast Database, Worldwide, 3Q22 Update. Calculations performed by Ambiq Micro, Inc.

IoT Semiconductor Market



Today

2023 – 2025

Future



Wearables & Hearables



Wrist Worn



Ear Worn



Clothing



AR / VR



Other

Smart Home & Buildings



Security & Safety



Entertainment



Energy Management



Comfort & Lighting



Speakers



Voice Gateways

Industrial IoT



AR / VR



Agriculture



Healthcare



Retail



Automation



Utilities



Oil and Gas



Smart Cities

Automotive



In-Cabin



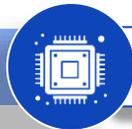
Sensors



Infotainment



Other



Pioneer of Ultra-low Power Semiconductor Products



Leading Provider of Wearable and Hearable Technology



Technology Extensible to Other High-growth End Markets



Large and Growing Market Opportunity in IoT Semiconductors



Scalable Design and Strategic Relationships with Foundry Partners and ODMs



Experienced Management Team Backed by Leading Investors



Proven Track Record of Strong Growth with inflecting Margin Profile

To enable intelligent devices
everywhere by developing
**the lowest-power
semiconductor solutions**
to drive a more energy-
efficient, sustainable, and
data-driven world



Supporting Category Leaders



Wearables & Hearables



Emerging Verticals





BIG INNOVATION
2021 & 2022



AI
Excellence
Award 2021



IOT SEMICONDUCTOR
of the Year, 2021



ASIA-PACIFIC STEVIE 2022
for Innovation in
Technology and for Most
Valuable Innovation Award



AMERICAN BUSINESS Silver and Bronze 2022
for Achievement in Product
Innovation



INTERNATIONAL Silver and Bronze 2022 for Most Valuable Technical
Innovation and for Achievement in
Product Innovation



2022 BUSINESS INTELLIGENCE GROUP
Executive of the Year



STEVIE FOR WOMEN IN BUSINESS 2022
Finalist



FASTCOMPANY
2022 World-Changing Ideas
Visionary



FASTCOMPANY
2022 World-Changing Ideas



MARCOM 2022
2 Platinum and 1 Gold for
Best Website, Content, Video, and PR



BULLDOG PR 2022
PR Award 2022 Best Brand Launch, Best PR and
Communication, and Best Thought Leadership Campaign



EXCELLENCE 2022
Executive of the Year
Public Relations Department of the Year



FMS 2020
Best of Show for
Applications



INTELLYX
2022 Digital
Innovator



Fumihide Esaka
Scott Hanson



TITAN 2022
1 Platinum and 2 Gold
for Engineering, Technology and Science, and
Most Innovative Company of the Year



INTERNATIONAL
Innovation 2021



HUAWEI
QUALITY AWARD
2020, and 2021



HUAWEI
CBG Supply Guarantee



HONOR
Sailing Together





I don't want to spoil it but...
We did it again!

All details
1.12.23

Thank you

