



NEXT GENERATION SOTM TERMINALS

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KYMETA™

KYMETA'S FLAT PANEL ANTENNA-BASED TERMINALS

Metamaterial Surface Antenna Technology

- Dynamic beam steering using liquid crystal
- Satellite auto-acquisition and tracking
- **No moving parts**
- **Lightweight, low-profile form factor**
- **Low power (15W for beam steering)**
- Leverages \$250B+ investment in liquid crystal display manufacturing

| ANTENNA | |
|------------------------------------|--|
| Band | Ku |
| Antenna type | Electronically scanned array |
| Polarization | Vertical and horizontal software defined |
| RX frequency range | 11.4 – 12.4 GHz |
| RX gain | 33.0 dB |
| RX G/T | 9.5 dB/K |
| RX scan roll-off as measured @ 60° | $\text{Cos}^{1.1-1.2}$ |
| RX instantaneous bandwidth | >100 MHz |
| TX frequency range | 14.0 – 14.5 GHz |
| TX gain | 32.5 dB |
| TX instantaneous bandwidth | >100 MHz |
| TX scan roll-off as measured @ 60° | $\text{Cos}^{1.2-1.4}$ |
| TRACKING | |
| Tracking rate | >20°/second |
| Scan angles | Theta up to 75° off broadside and Phi 360° |
| Accuracy | <0.2° |
| Mobile tracking accuracy | FCC compliant for 25.222 and 25.226 |
| Tracking receiver type | Integrated DVB-S2 |

LAND MOBILE



"Kymeta is making connectivity available where it has never been before, releasing the constraints of satellite communication, and delivering a seamless experience for customers."

- Masato Ogawa, Managing Executive Officer Group President, Space and Satellite Business Group, SKY Perfect JSAT Corporation



FIRST RESPONDER SYSTEMS



FIRST RESPONDER SYSTEMS





RECREATIONAL VEHICLES



FLYAWAY SYSTEMS

COAST GUARD VESSELS





DOD SMALL BOATS

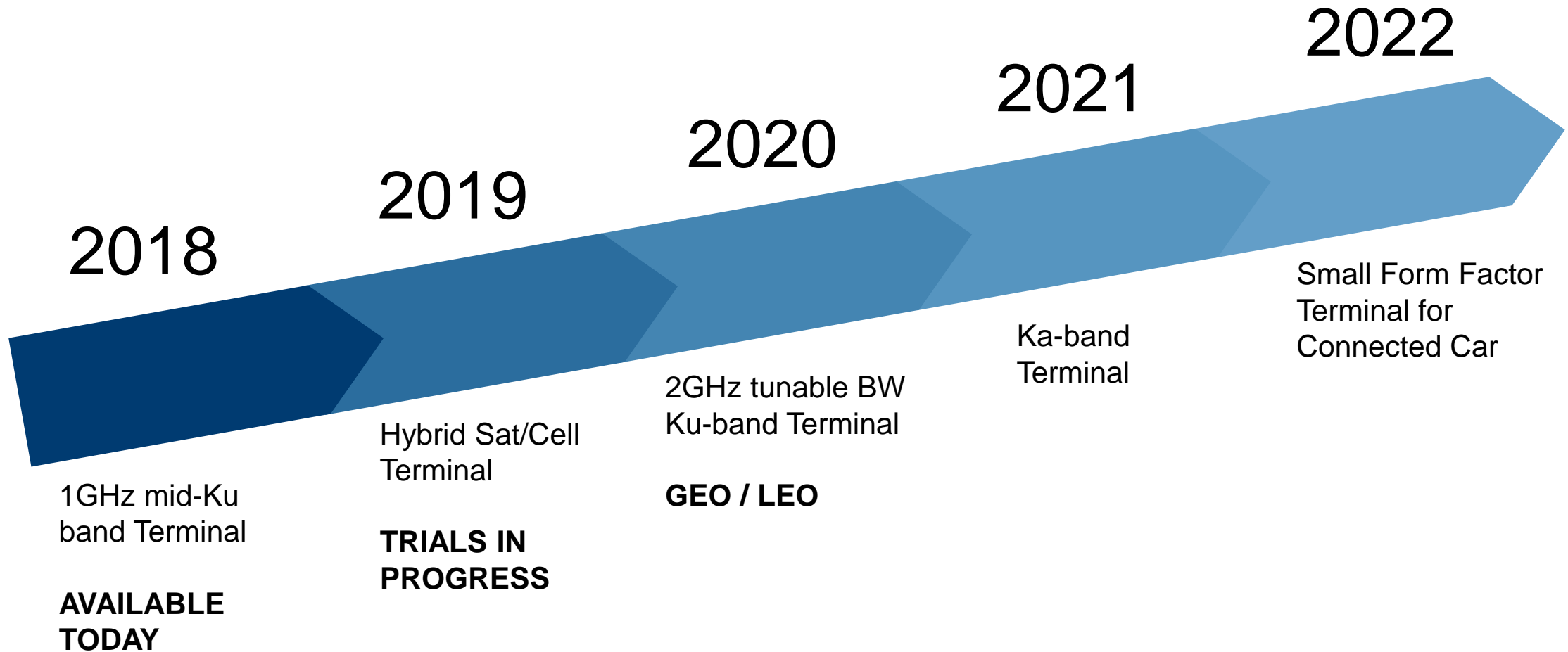
KYMETA™

MTENNA™
TECHNOLOGY



SUPERYACHTS

PRODUCT LINE EVOLUTION



Thank You

Teşekkür ederim

