

LiNbO₃ Modulator

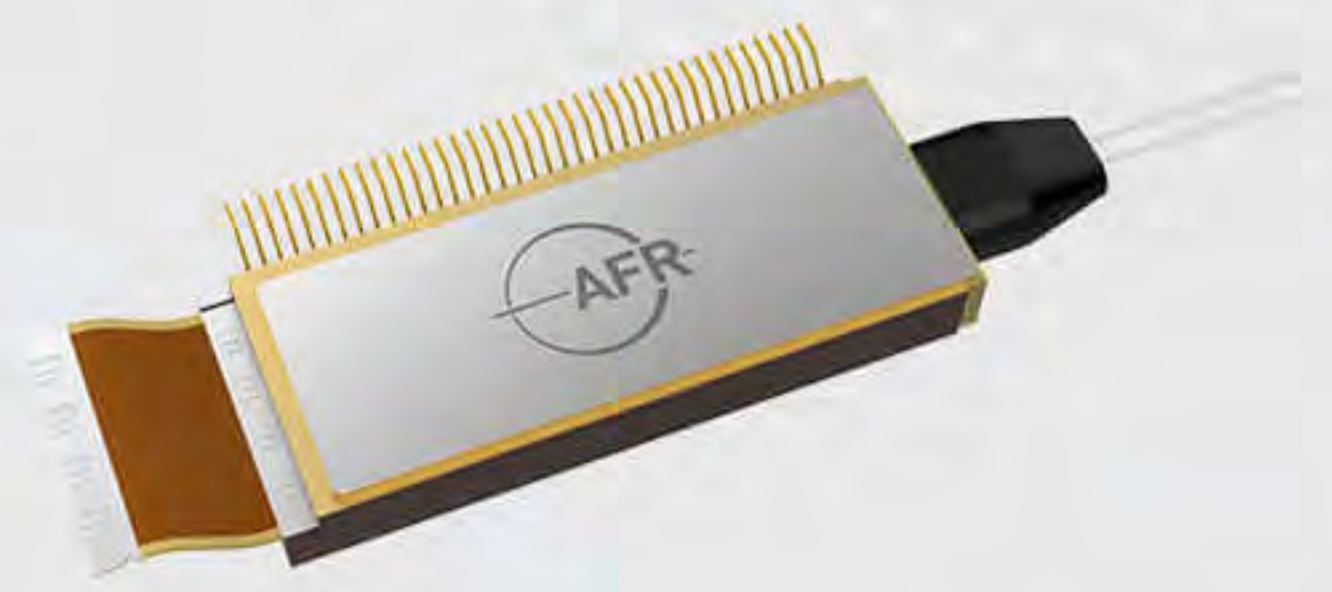


Thin-Film

130 GBaud CDM

- Power Consumption < 3.5 W
- Optical Extinction Ratio ≥ 23 dB

For DP-QPSK, DP-16QAM and DP-64QAM Coding



70 GHz Intensity Modulator

- Low Drive Voltage
- Optical Extinction Ratio ≥ 25 dB

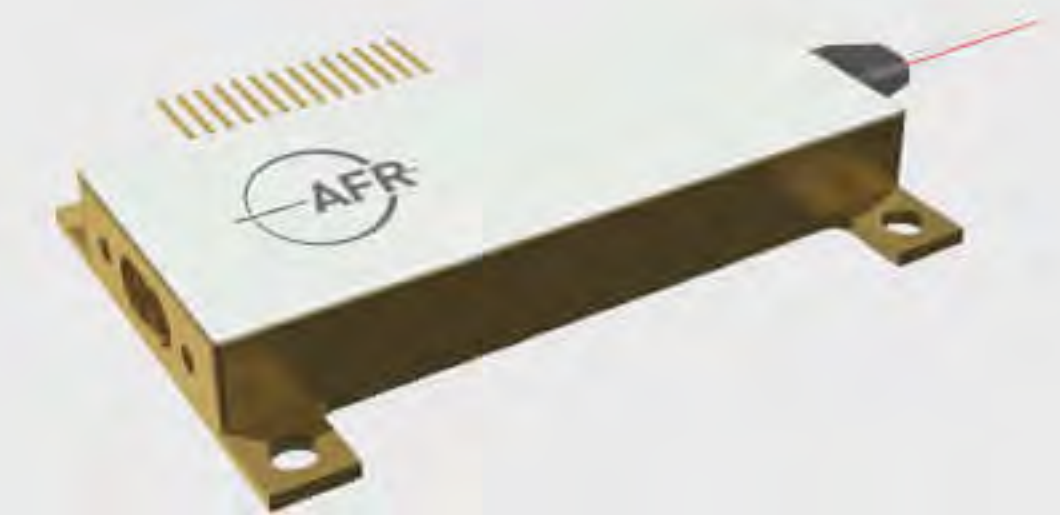
For Digital/Analog Transmission



40 GHz TFLN IQ Modulator

- Electro-Optic Bandwidth > 25 GHz
- Excellent Linearity

For OFDM, QPSK, QAM Coding and FMCW LiDAR



800G DR8 Modulator Chip

- Low Drive Voltage
- Low Optical Insertion Loss

For QSFP-DD/OSFP/OSFP-XD Type Transceiver Modules



Bulk

20/40 GHz Intensity Modulator

- Electro-Optic Bandwidth > 32 GHz
- Low Optical Insertion Loss & Low Drive Voltage
- Extended Operating Temperature at - 55 to + 85 °C

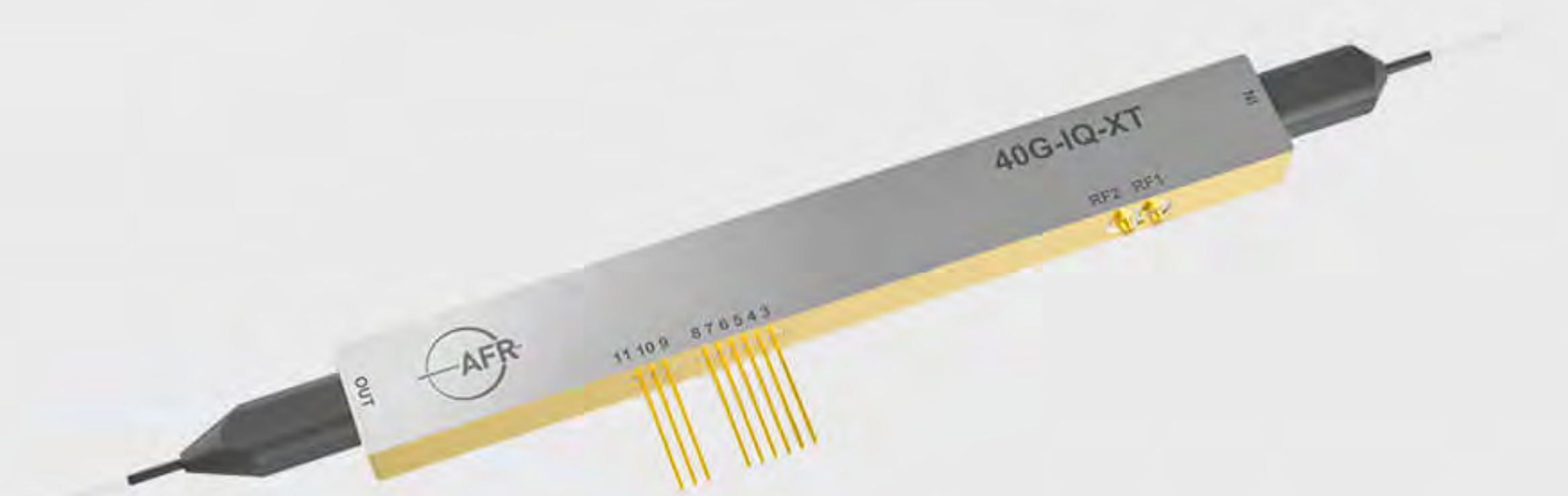
For Digital/Analog Transmission



40 GHz IQ Modulator

- Electro-Optic Bandwidth > 30 GHz
- Optical Insertion Loss: 5 dB (typ.)
- Optical Extinction Ratio ≥ 24 dB

For Satellite Communication and LiDAR Applications



10 GHz Zero-Chirp Modulator

- Electro-Optic Bandwidth > 12.5 GHz
- Optical Insertion Loss < 4.5 dB
- RF V_{π} Voltage: 5 V (typ. @ 1 kHz)

For High Frequency RF Signal Over Fiber Optic Links



Phase Modulator

- Low Optical Insertion Loss @ 1060 nm Band or C-Band
- Frequency Response up to 10 GHz
- Extended Operating Temperature at - 55 to + 85 °C

For Ultra-Fast High Power Lasers and Quantum Applications



AFR Company Profile

Advanced Fiber Resources (AFR), established in 2000, is a leading supplier of fiber optical components. With its strong R&D and design capabilities, high efficient manufacturing process and strict quality control, AFR designs and manufactures standard and custom components, modulators, and provides contract manufacturing solutions to our customers. Our products are widely used in fiber laser, telecom, data center, fiber sensing, autonomous driving, biomedical equipment, as well as research institutes and universities around the globe. AFR's products have been sold to customers in more than 40 countries and regions worldwide.



25
Years of History



2017
IPO in China



115,000
m² Facility



500
Technical Expertise

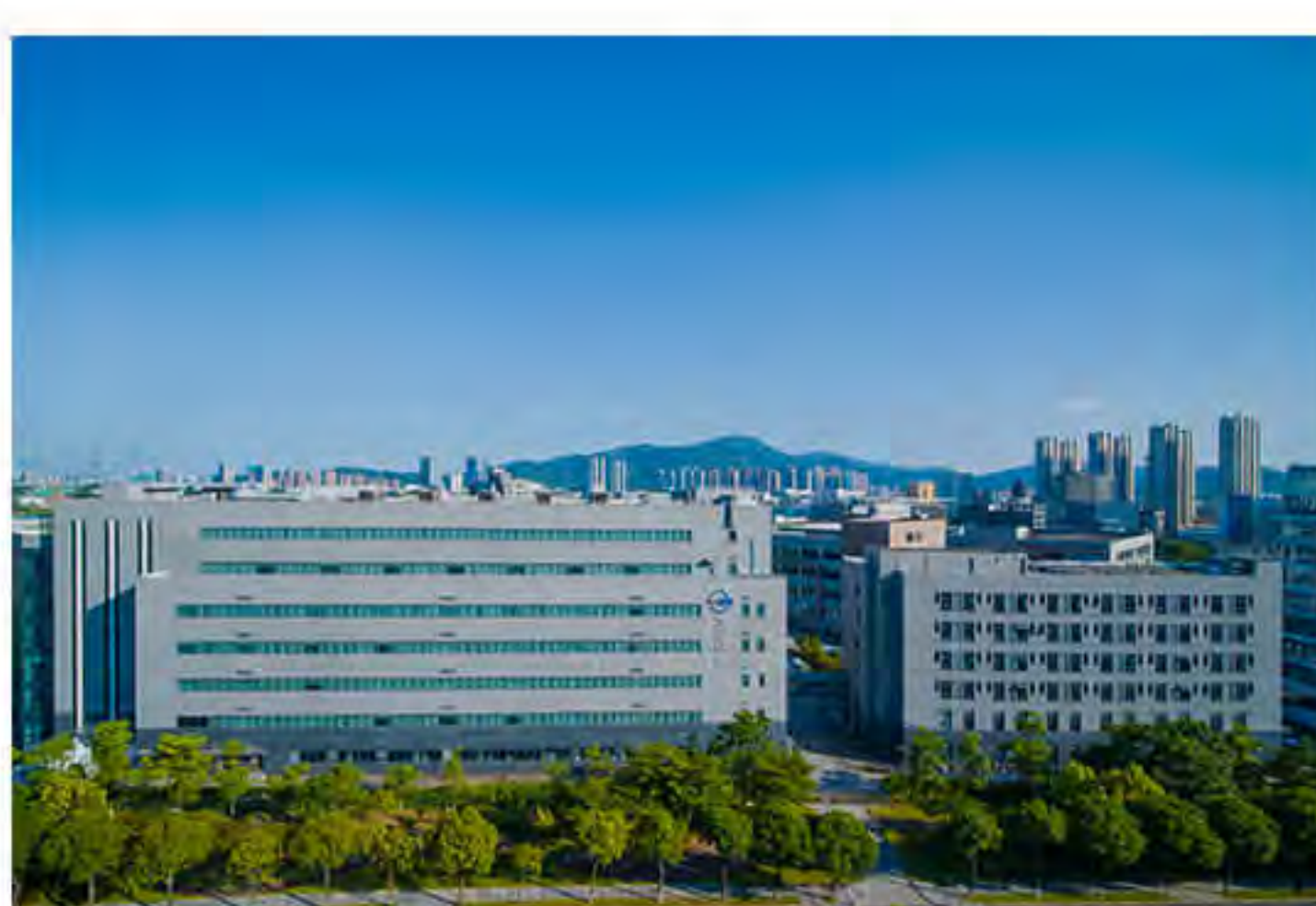
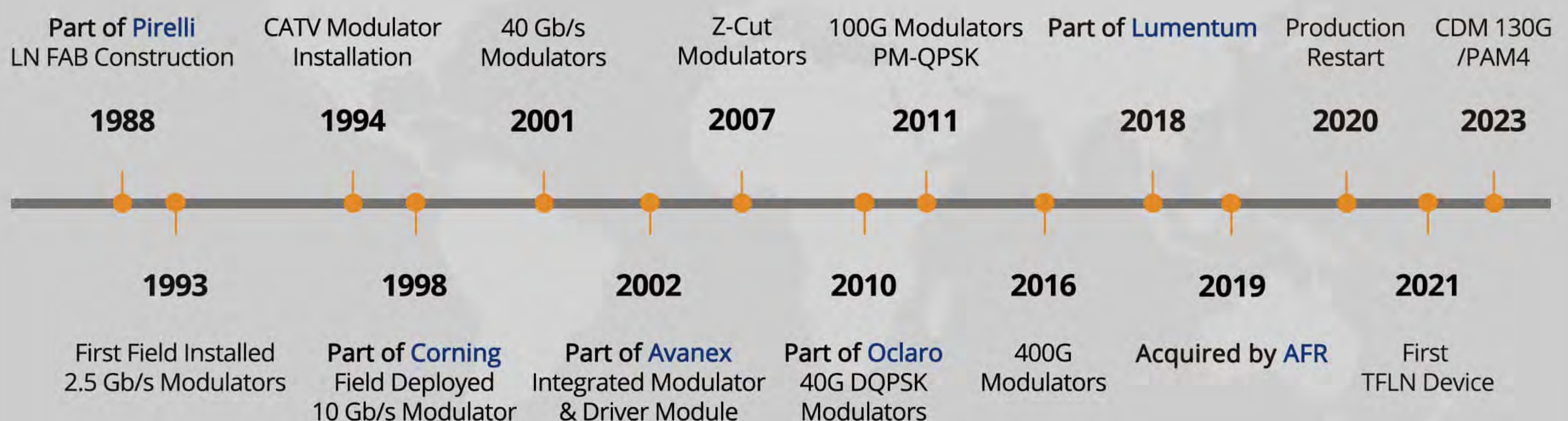


600
Customers



2,000
Employees

AFR MILAN: A world leader in LN modulators with 40 years of history



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