

A satellite with large blue solar panels is shown in orbit above Earth's cloud-covered surface. Red laser beams originate from the satellite and extend across the frame, connecting to other points in space, illustrating a satellite network.

Industrializing Laser Communications

LEOCONN 2021, June 09 – 10, 2021, ETH Zürich Webinar on LEO Satellite Networks

Dr. Manfred Leipold, Team Leader Future Technologies

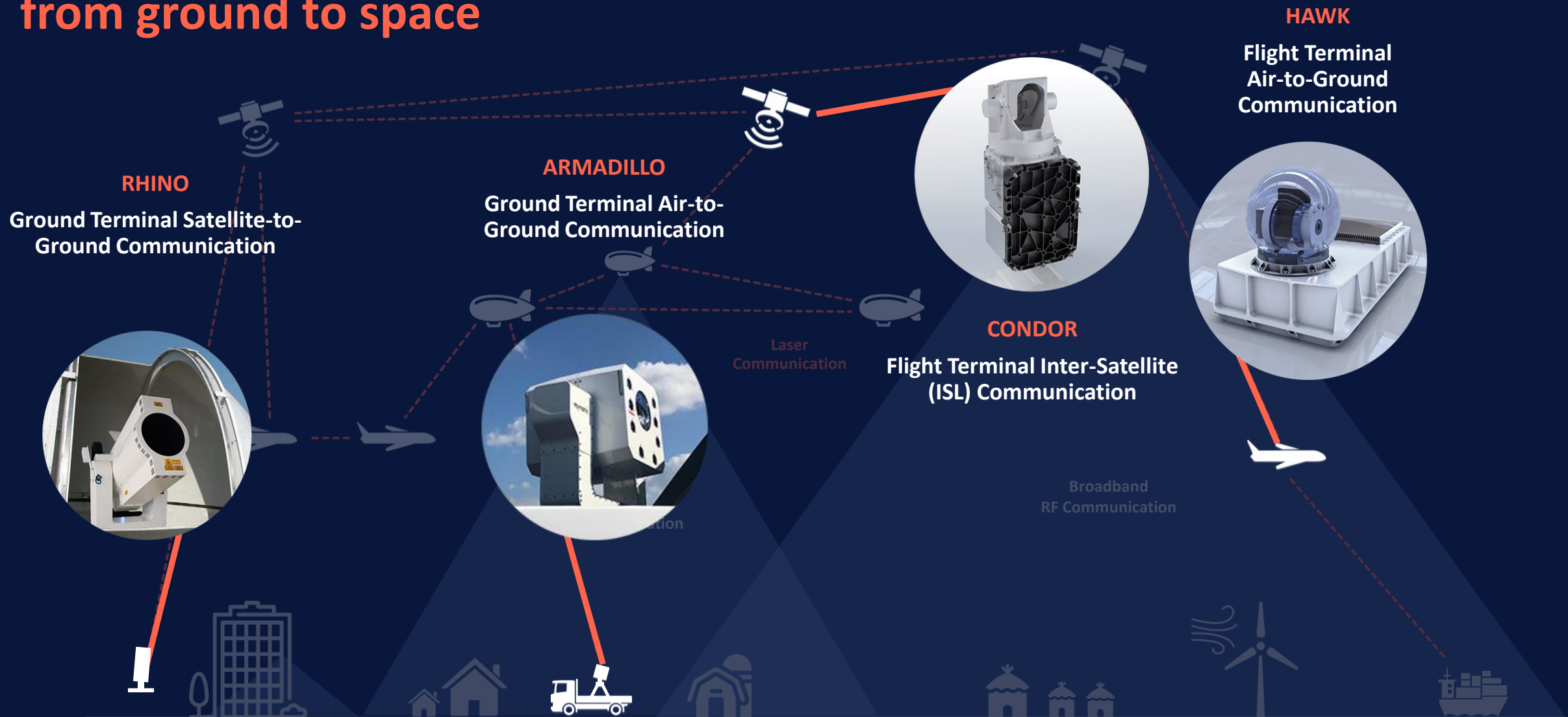
June 10, 2021

A network diagram with orange nodes and lines is visible in the bottom left corner.

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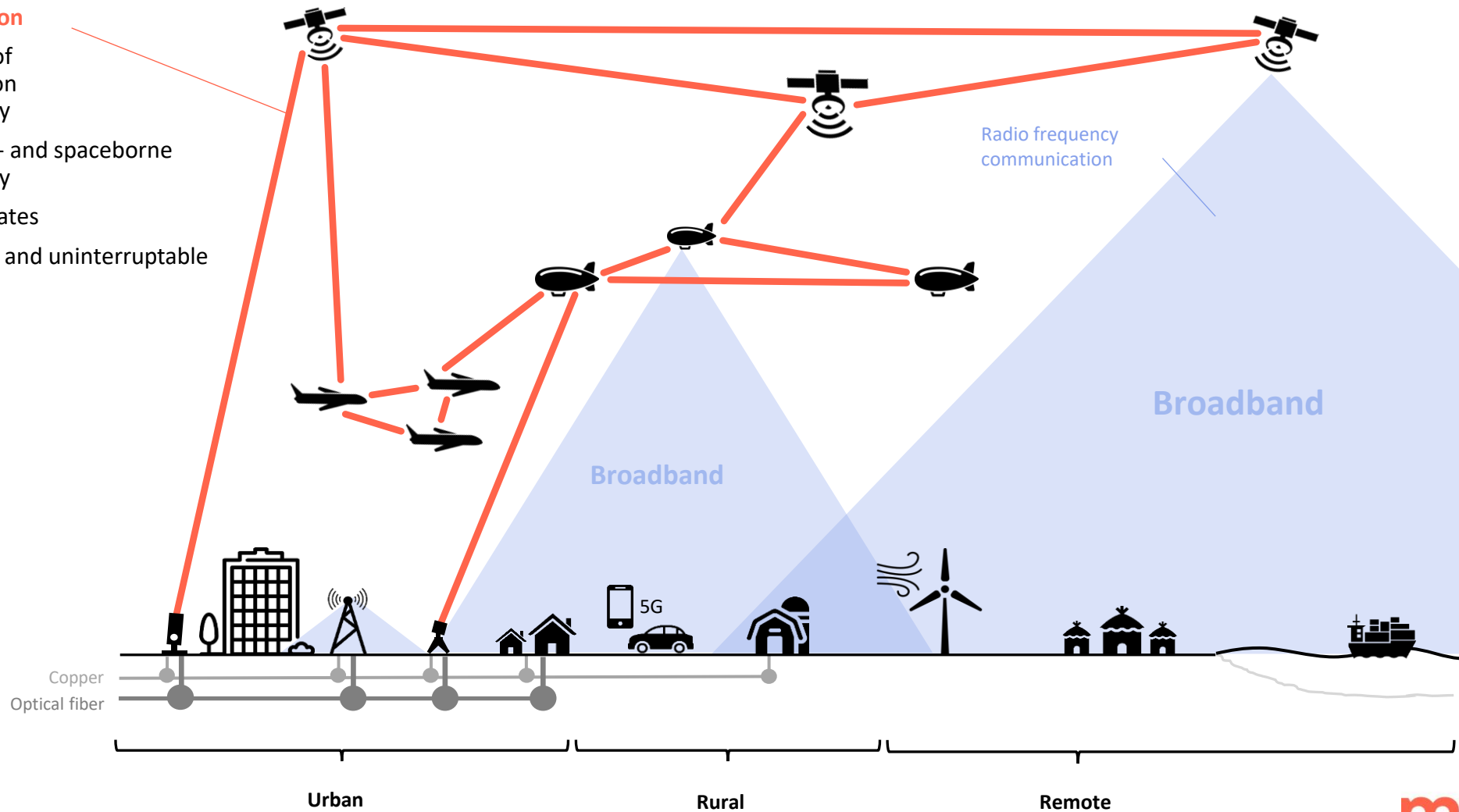
One-stop-shop for optical communication from ground to space



Large entities are working on aerospace communication networks to change that

Laser communication

- Backbone of constellation connectivity
- Enables air- and spaceborne connectivity
- High data rates
- Hack-proof and uninterrupted



2020 highlights: Customer traction in government sector

- Contracts awards within two U.S. governmental programs for our space product CONDOR
- Successful start of demonstration campaign of airborne product with a lead customer



Artist Concept

Continuously expanding production and test facilities

- 4,500 m² manufacturing capacity
- 1,500 m² labs and clean room facilities ISO5 and ISO8



Thermal Vacuum Chamber



Optical Testing



RF Electrical Testing

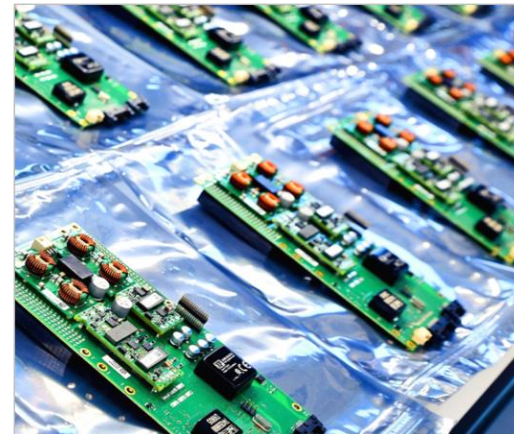
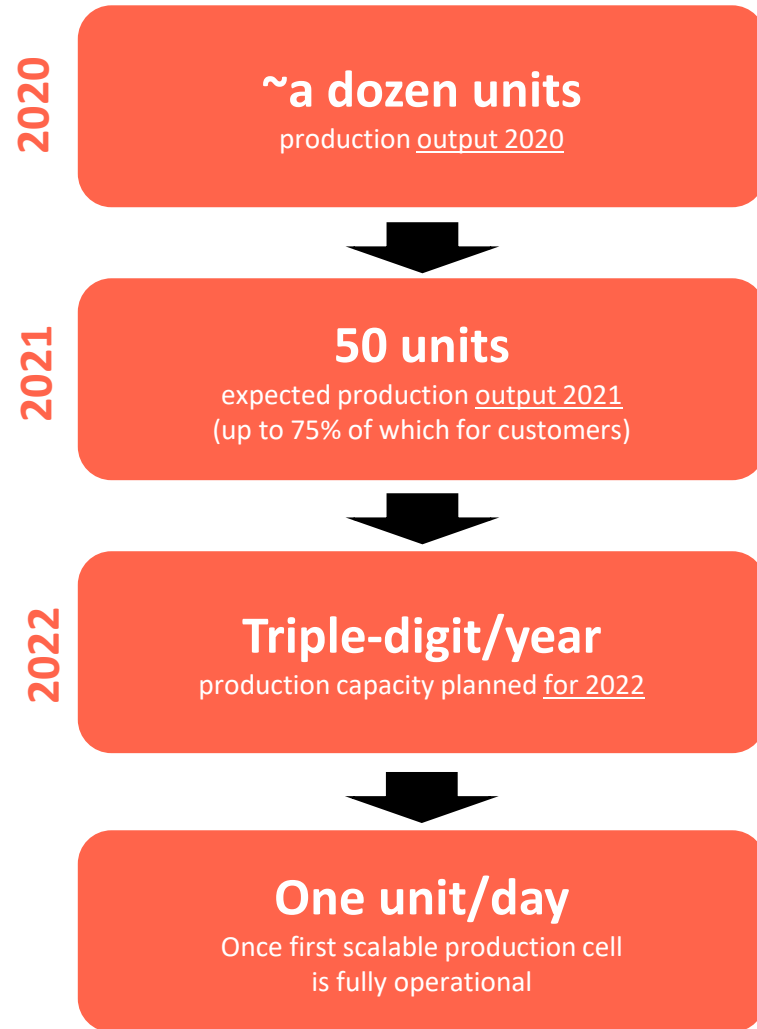


Demonstration of capabilities under extreme conditions (fighter aircraft)



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Production is ramping up to cope with expected demand



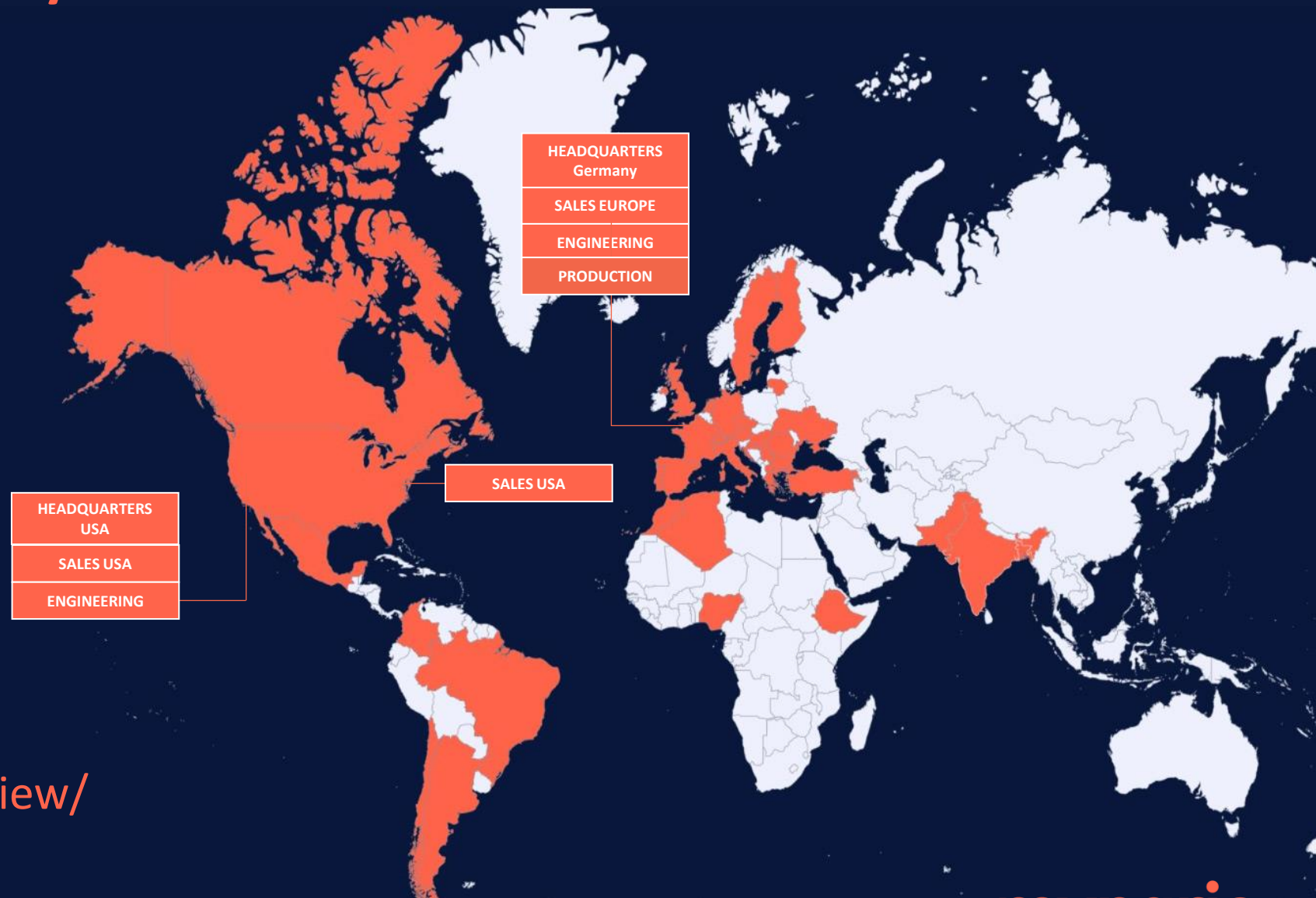


2020 highlights: Employee growth

- Significant additional staffing reaching 200 employees
- Worldwide largest concentration of experts on laser communications to our knowledge
- Top talents in physics, optics and engineered hires which is being continued in 2021

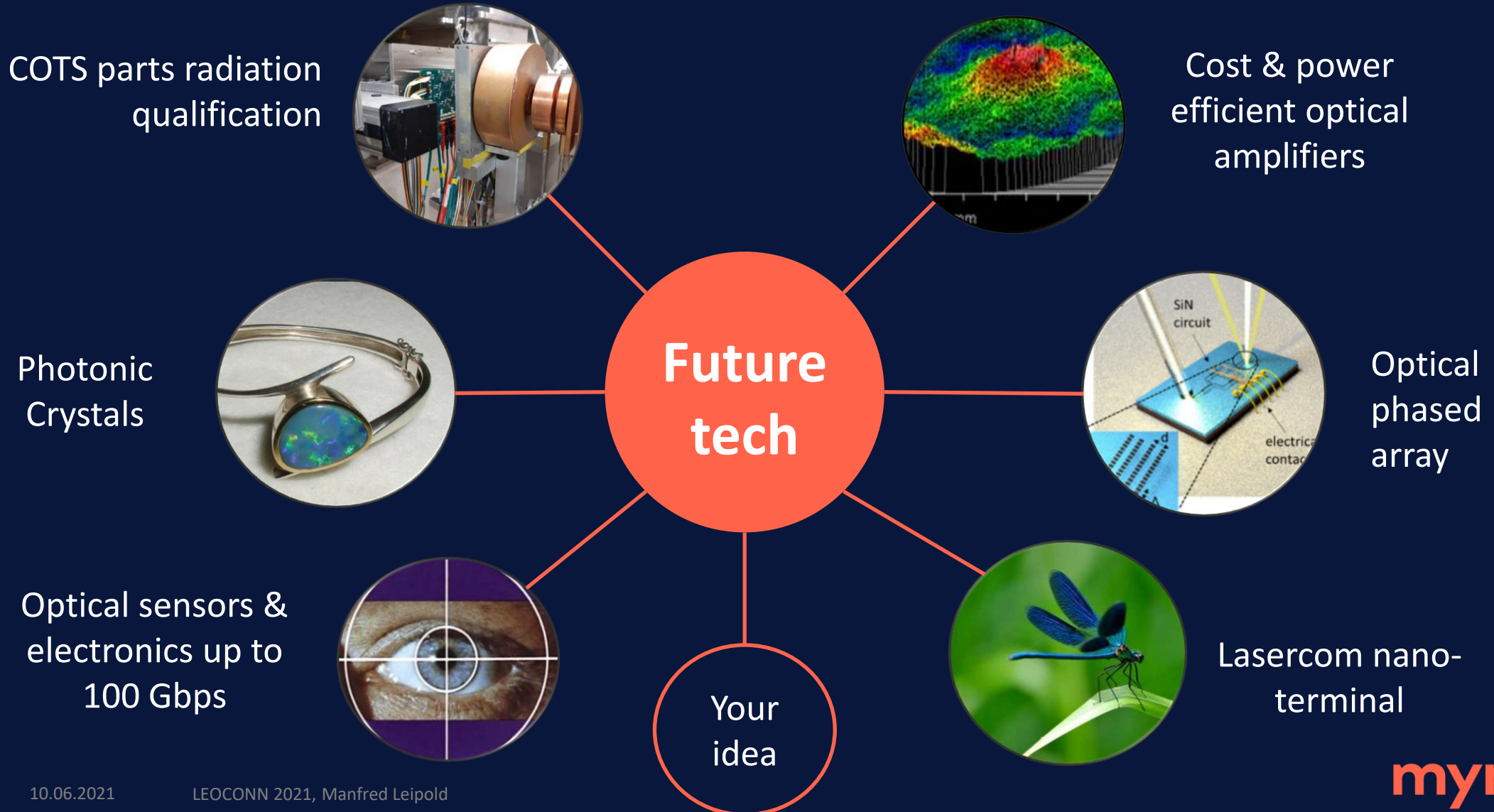
Growing team in Germany and US

210 employees
39 nationalities



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Work on a range of enabling technologies



Mynaric company video (optional: 3min 35sec)

[Mynaric 2021 Update: Laser communication products for aerospace connectivity - YouTube](#)