

The logo for Cailabs features the word "cailabs" in a bold, lowercase, sans-serif font. The text is white and is set against a dark background. Behind the text is a glowing, ethereal light effect that transitions from a bright cyan at the top to a deep purple at the bottom, creating a soft, circular glow around the letters.

cailabs

SHAPING THE LIGHT

Cailabs: a deeptech company

Who developed and industrialized the key MPLC technology brick

cailabs

Cailabs
key figures



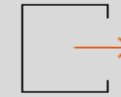
Created in
2013



19 patent
families

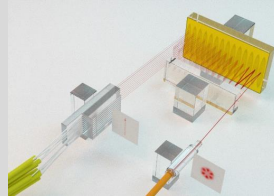


65 employees
(23 PhDs)

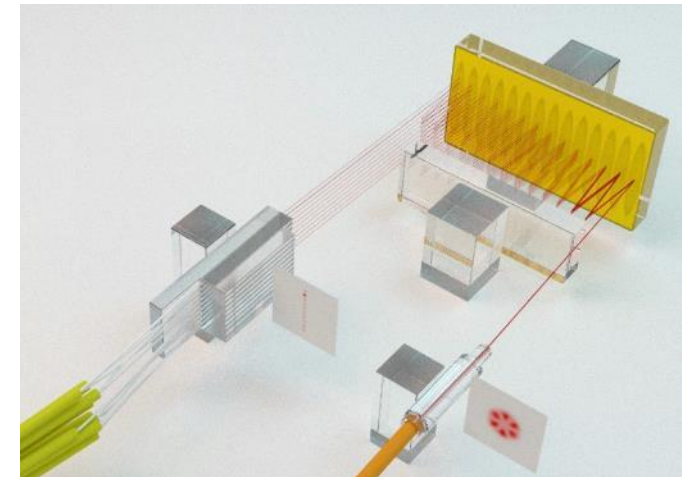
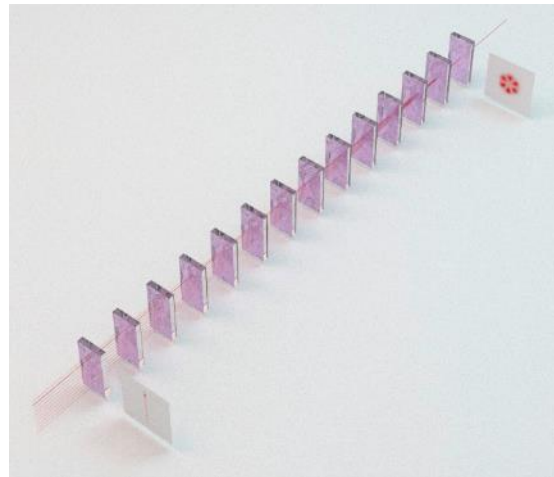
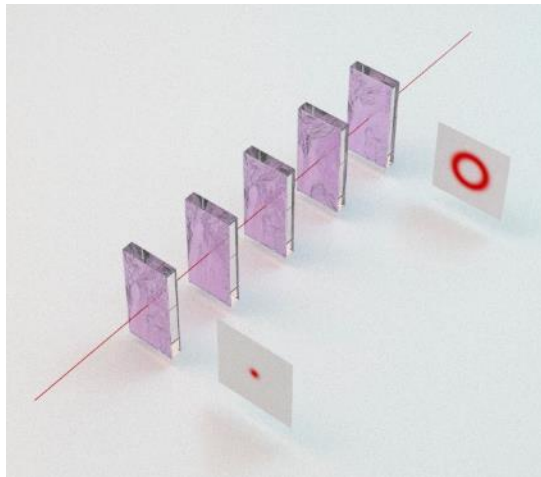


70%
export

Unique core
technology



- Derived from quantum optics at **Kastler Brossel Lab** (Paris)
- Complex beam shaping through a succession of **spatial phase profiles**
- Passive **optical beam shaping** with **no intrinsic loss** and **no moving parts**



Cailabs: a deeptech company

Who developed and industrialized the key MPLC technology brick

Declined into three product lines



CANUNDA
BY CAILABS

Improve laser machining processes with high-power beam shaping



AROONA
BY CAILABS

Future-proof multimode fiber infrastructure of LANs



TILBA
BY CAILABS

Ensure the reliability and increase the range of laser communications



PROTEUS & CUSTOM
BY CAILABS

Invent the optical networks of the future and optical solutions for emerging applications

Markets

Industrial

Cutting, welding, surface structuring

Local network

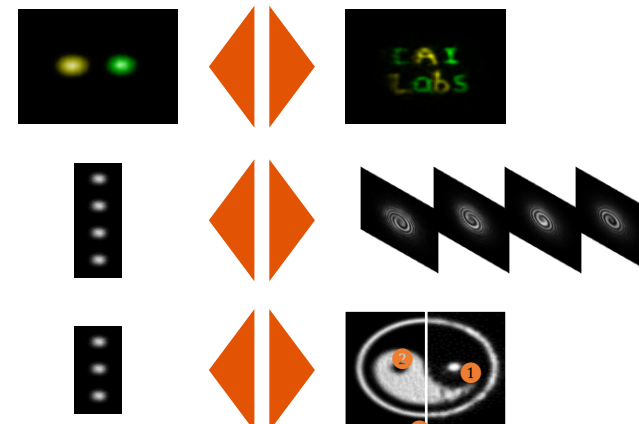
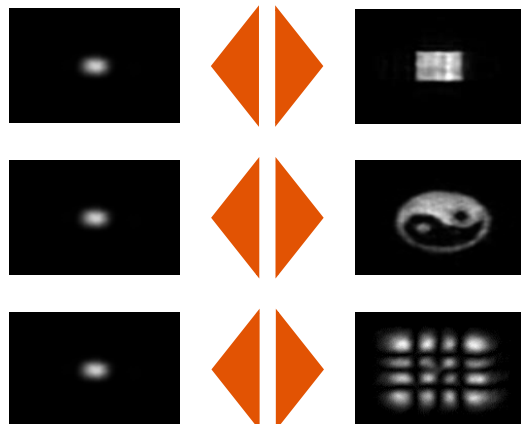
Campus, Industry

Laser communication

Point to point (satellite, terrestrial, ...)
Telecom satellite constellation

Explore new markets

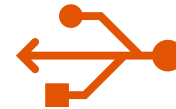
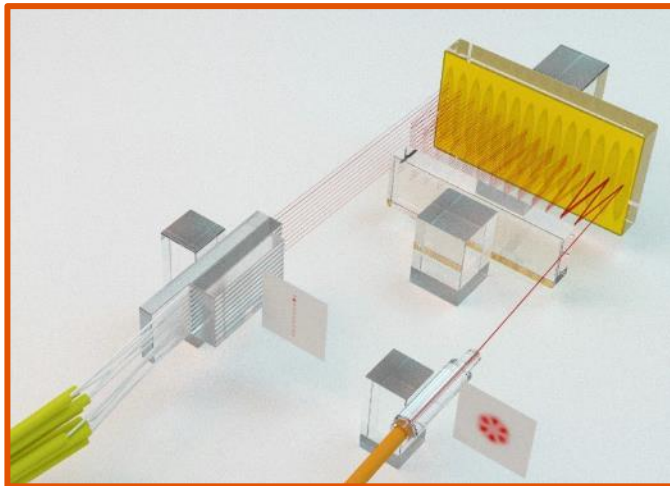
Aeronautics, sensor, microscopy, quantum



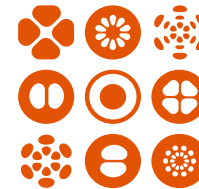
What can be done with the Cailabs technologies?

Light beam shaping at all levels.

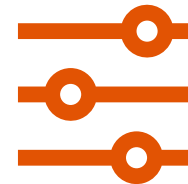
MPLC TECHNOLOGY



Combine lasers into optimized output

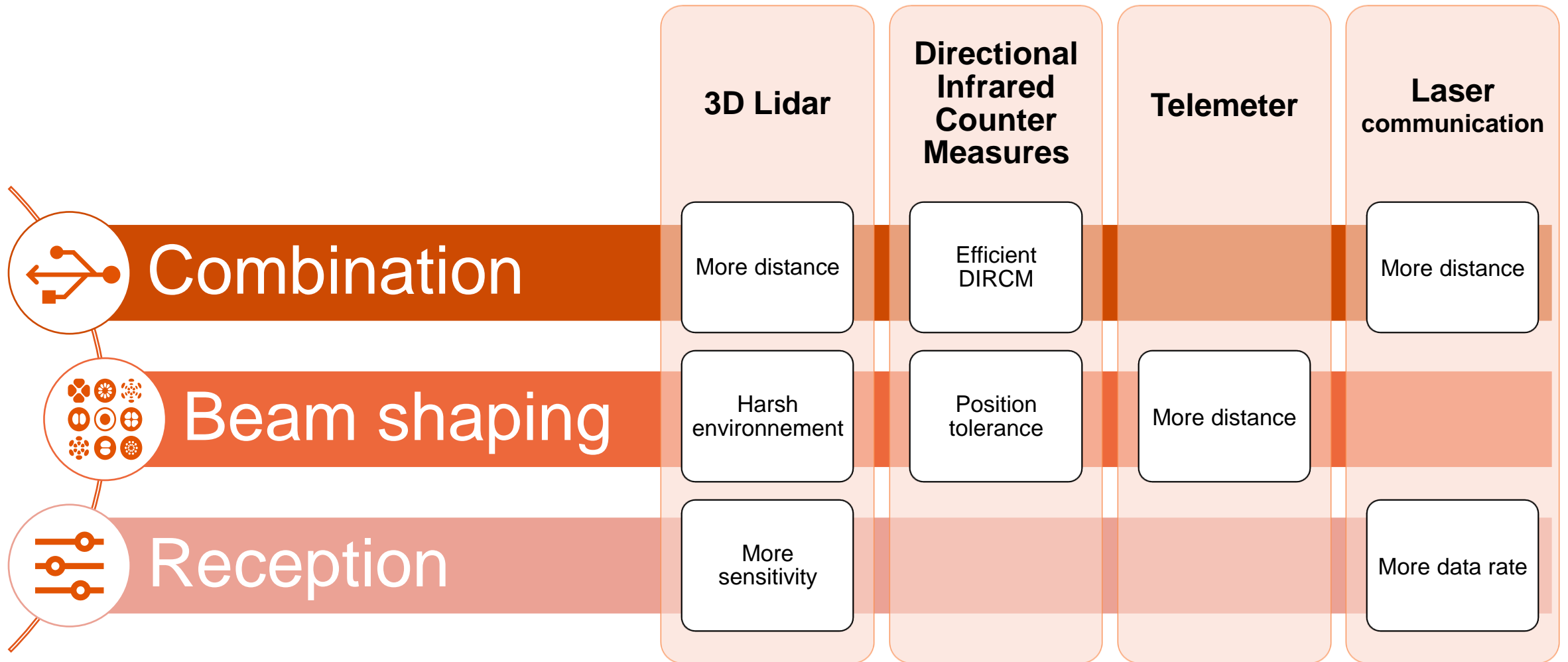


Change the spatial shape of the output laser beam



Optimize laser beam reception

Cailabs's benefit to Smart Optronic Detectors





Thank you for your attention!

arnaud.rigny@cailabs.com

www.cailabs.com