

Conneght

Connect through light

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Why Do We Need Laser Comm.?

The future needs high data transfer rate

Lasers can transmit data at rates 10 to 100 times faster than radio.

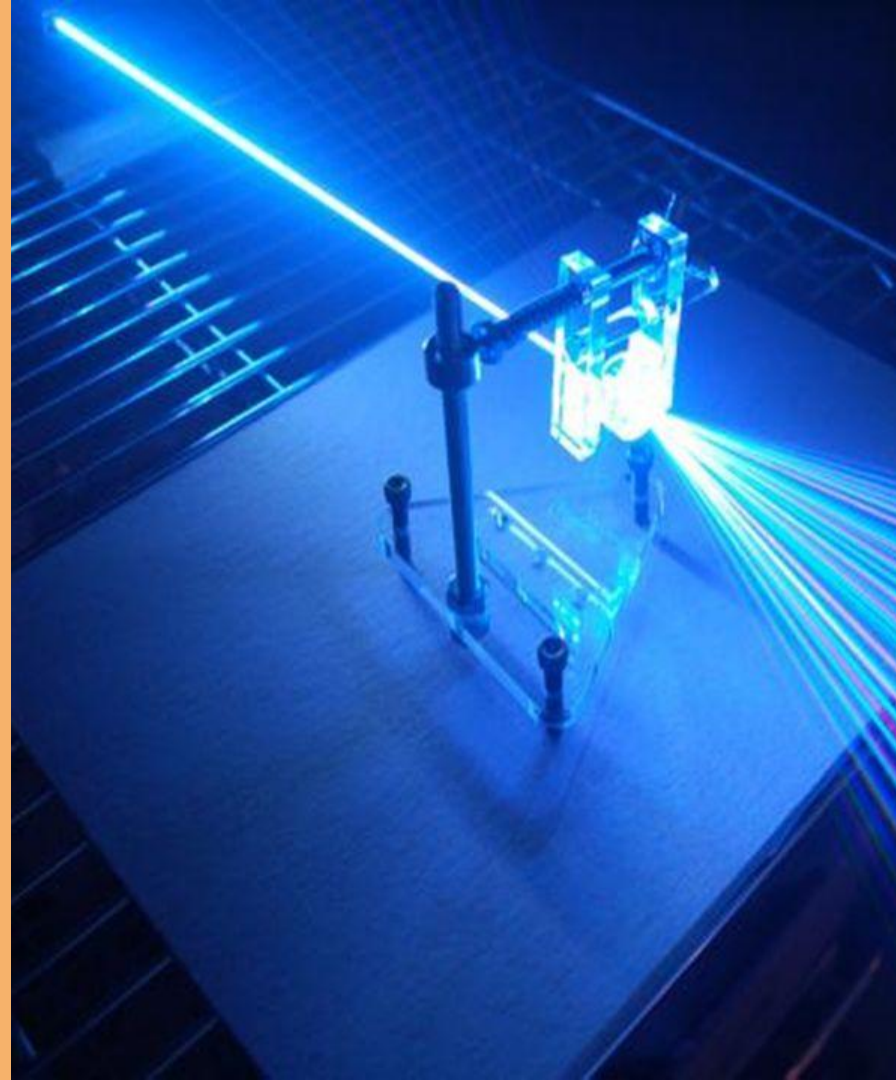
Security becomes more important for society

Laser avoid information dissemination. Resistant to tapping, jamming and spoofing

Interplanetary communication

Laser provide a valid alternative to common RF communication solutions.

Needs



Why SLB?

Meteorological events

*Rain, snow, wind can influence communication. SLB technology is able so **self-reconstruct** in order to overcome those issues*

Dispersion

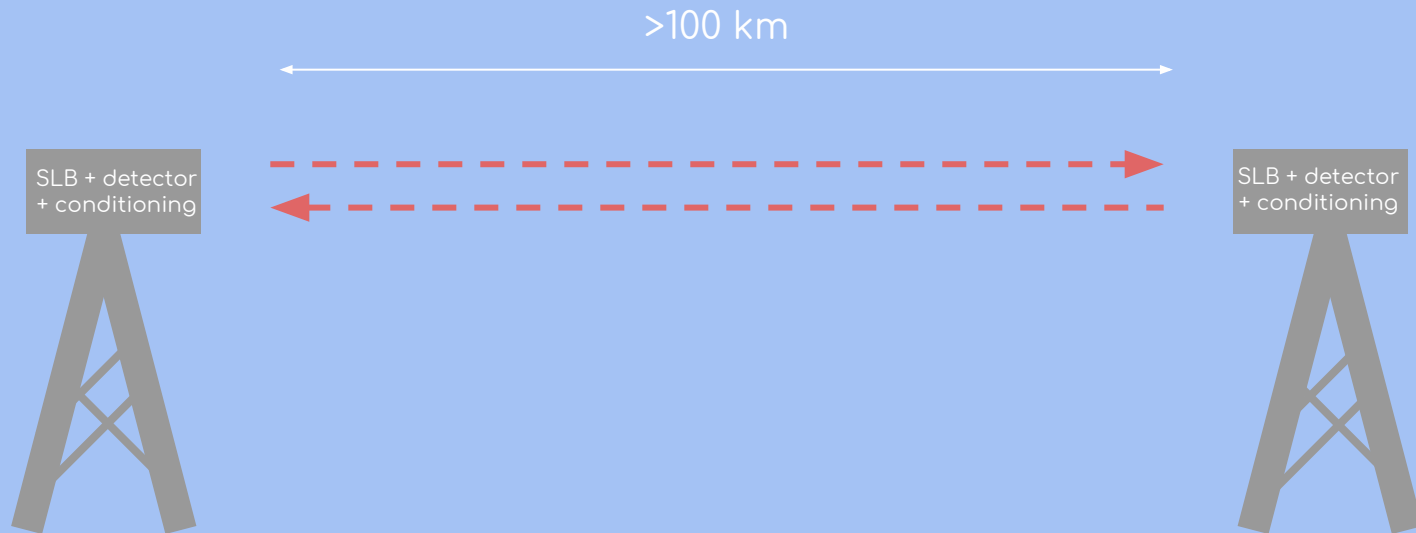
*Laser communication are limited in range due to laser beam divergence. SLB allow to reduce by a factor 100 wrt common implementation, increasing the active **range**.*

Solutions



How we Conneghts you

Compact plug-and-play system to communicate at high distance with high speed and high reliability



Product proposal

Emergency situations

When a disaster occurs, it's fundamental to restore the communication network in order to plan and manage the rescue and assistance services.

Our technology allow to set up in a very fast way a fast and reliable connection network.

Applications



Temporary installation

Audio communication in temporary stage concert can involve the many high quality cable, increasing the cost and the setup time.

With our plug-and-play technology get rid of cables and easily setup a high-fidelity audio line, reducing costs and increasing the reliability of the system.

Applications



Satellite communication

Provide a fast, reliable and cheap communication system for satellite-to-ground and satellite-to-satellite communication.

Applications



| | LightPointe AirBridge LX | Artolink M1-30GE | Artolink M1-GE | Artolink M1-FE |
|-----------------|-----------------------------|---------------------|-------------------|-------------------|
| Max distance | 2.5 km | 1.5km | 4.4 km | 7 km |
| Comm. speed | 1 Gbps | 30 Gbps | 1 Gbps | 0,1 Gbps |
| Energy aperture | - | 65 mrad (3,7°) | aaa | 555 mrad (31,5°) |
| Max power | 40 W | 48 W | 46 W | 20 W |
| Wavelength | 850 nm (NIR) | 1550 nm (IR) | 1550 nm (IR) | 785 nm (NIR) |
| Autotrack | Yes | Yes | Yes | Yes |
| Detector | Si APD | - | PIN PD | PIN PD |

Product comparison

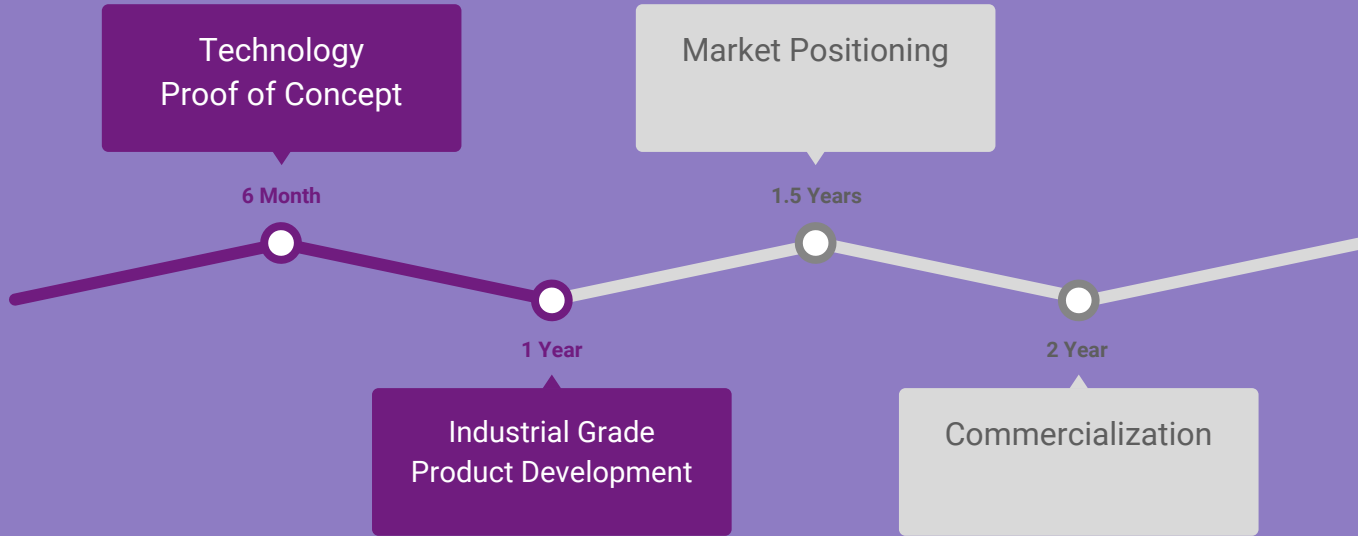
1 Billion USD

Forecasted revenues from
Free-space communication
market in 2018

32.5 %

Estimated CAGR

Market evaluation



Development plan

Thank you

Question time