

# CELTIC-NEXT

## Project Proposal Pitch

March 13<sup>th</sup>, Online

### SafeShore

### Record-proof high-speed optical communications



**Eyal Wohlgemuth, Ph.D., Co-founder, CTO**  
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## Record-Proof Photonic Encryption™



Data can't be recorded  
or hacked



Optically stealth  
– can't be seen



PQR (post quantum ready) in  
weeks, not years



Full line rate  
encryption



Unique low power  
solution



No additional  
latency



Full compatibility with  
existing standards

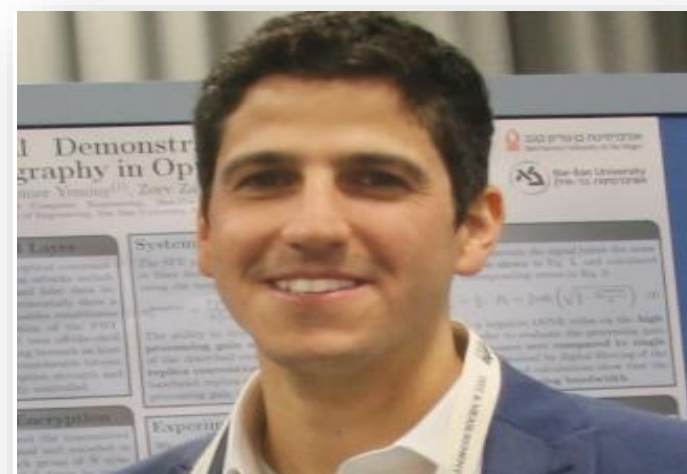
# Organization Profile



## Prof. Dan Sadot

Founder & CEO

Founded 5 startups;  
Electrical & computer  
engineering PhD;  
Former Chairman of  
the ECE Department,  
BGU; Post Doctorate,  
Stanford University



## Dr. Eyal Wohlgemuth

Founder & CTO

15 years developing  
optical communication  
systems; IDF, PMO;  
PhD Electrical &  
Computer  
Engineering



## Hamutal Shalom

VP R&D

25 years developing  
complex electrooptical  
and communication  
systems; IDF; Physics  
BSc and EE MSc



## Dr. Eyal Felstaine

Chief Business Officer  
Traffix co-founder (F5  
M&A) SANRAD co-  
founder (Toshiba M&A);  
Amdocs CTO (DOX:  
NASDAQ); PhD  
Computer Science  
(Cyber), Technion;  
MBA, Columbia  
University NY



## Shay Shemesh

VP Finance &  
Operations

15 years as CFO,  
operations, and  
business planning in  
several startups;  
Finance MBA

- **Founded in 2022**
- **Funded \$10M by private VC AWZ X-Seed**
- **15 employees**
- **Academic research spin-off  
(200 journal papers, 30 patents)**
- **R&D center in Tel-Aviv, IL**

## Advisory Board



### Ido Shargil

Director, Head of Product,  
Technology & Data,  
AT&T



### David Amzallag, Ph.D

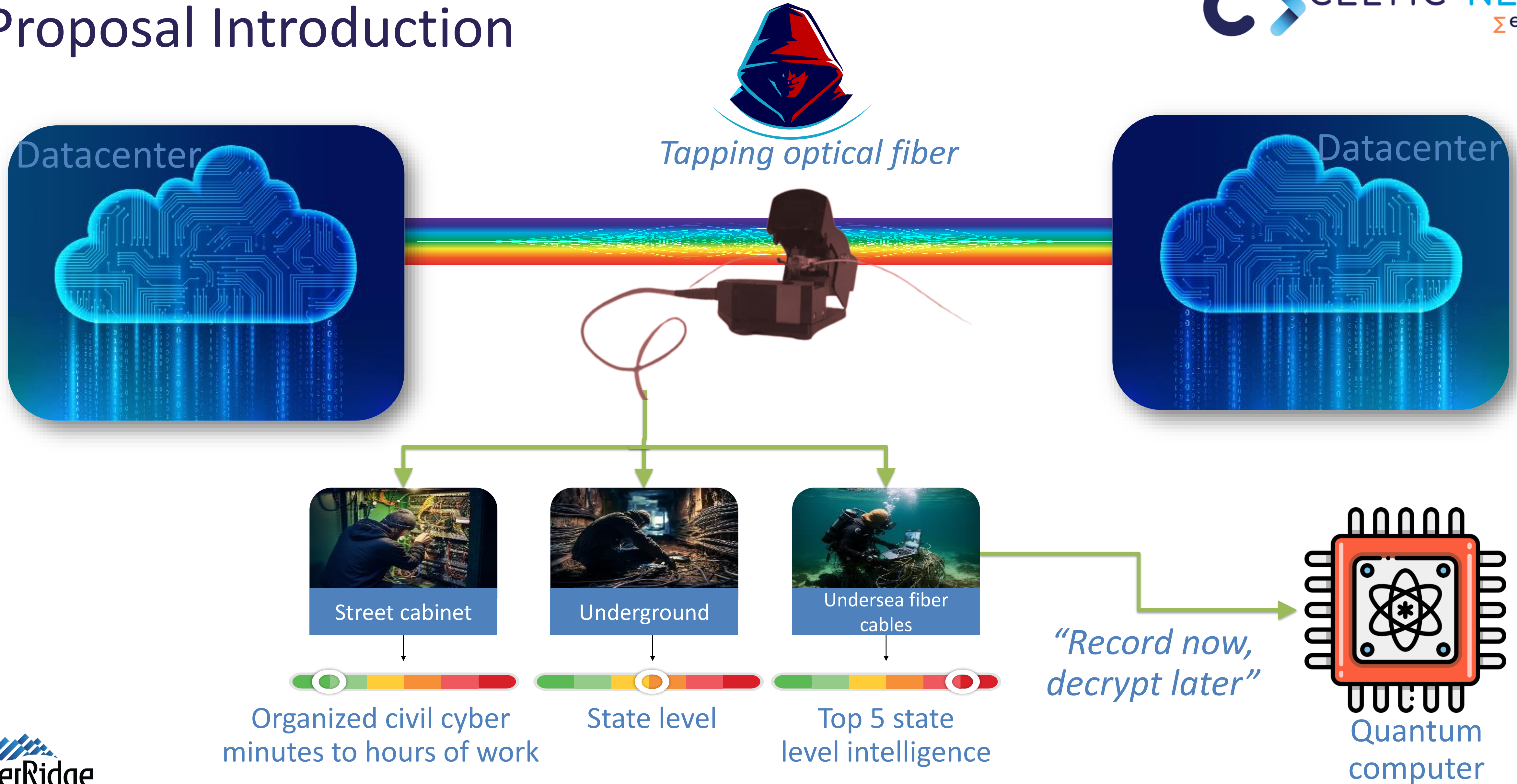
Former **Vodafone**,  
**British Telecom** and  
**Amdocs** Executive



### Ori Gerstel, Ph.D

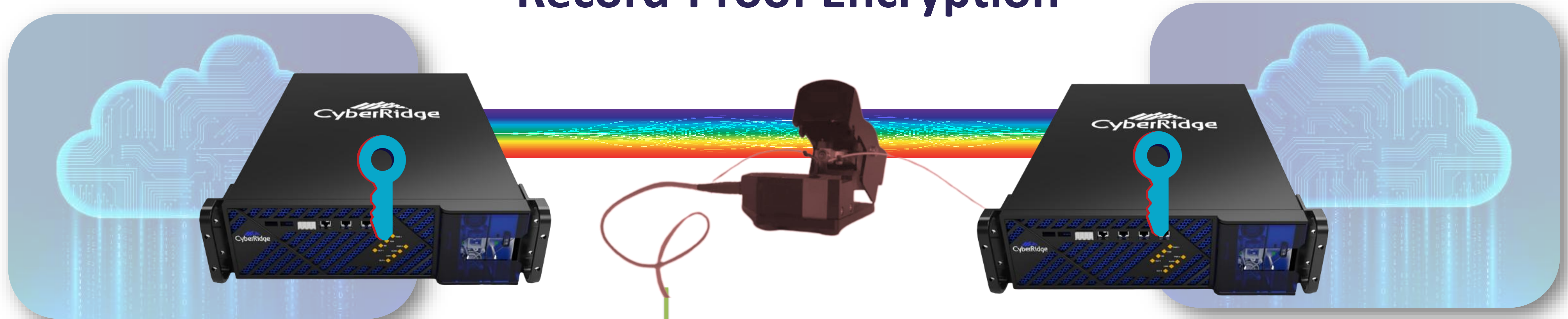
Senior Director, **CISCO**

# Proposal Introduction

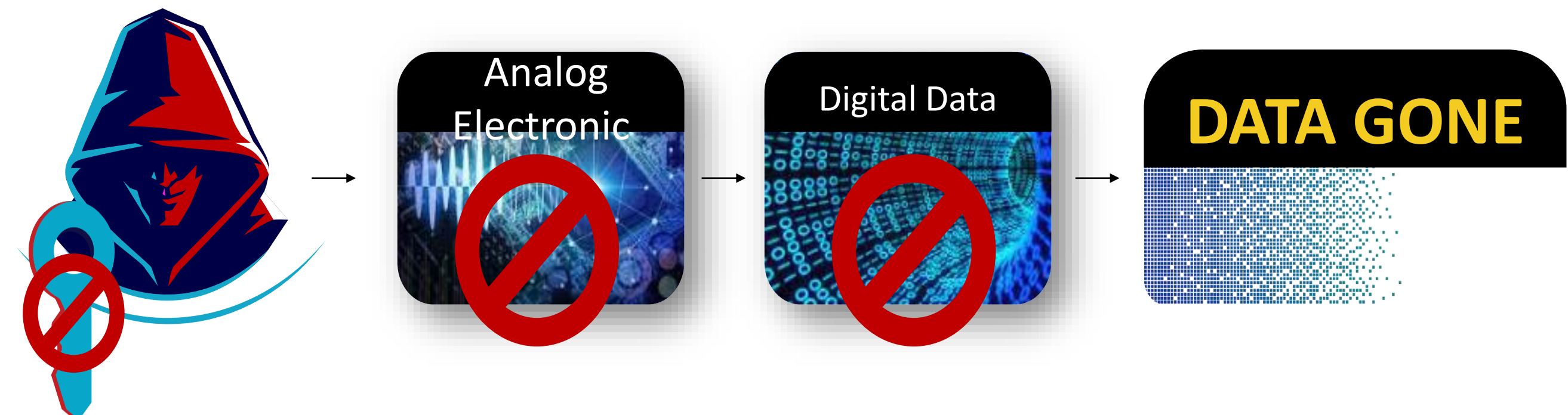


# Proposal Introduction

## Record-Proof Encryption



Without the photonic key at the instant the light appears at the receiver, transmitted data remains undecipherable optical noise, **with no raw data, forever.**



# Proposal Introduction

## SafeShore vision

Beta testing in partner's operational fiber network

Scaling up data rate, spectral efficiency

Reduce form-factor for datacom ecosystem

## SafeShore Impact

- Offering clients absolute data privacy over optical infrastructure
- Bring post-quantum resiliency to organizations within days
- Resistance to DDoS attacks, metadata analysis, side-channel, and MITM attacks

# Partners

## Partners profile verticals

Governmental, defense,  
military, and intelligence  
organizations

Financial sector enterprise  
organizations

Teleco service  
providers

Cloud service  
providers

Teleco/datacom  
connectivity  
hardware vendors

Design partners for  
photonic  
integration,  
transceivers

# Contact Info

**For more information and for interest to participate please contact:**



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**Presentation available via:**





# Join Consortium Building Session

14<sup>th</sup> of March 09-09.30 CET

[join here](#)



## SafeShore

## Record-proof high-speed optical communications