Connecting underwater: problem

Existing solutions are UNRELIABLE and LIMITING

- Electrical contacts (pins)
- Make/break limits
- Dynamic seals
- Moving internal parts
- Alignment issues
Connecting underwater: solution

No Pins, No Pain™

• Electrical contacts (pins)
• Make/break limits

pinless high-speed data transfer

• Dynamic seals

pinless power transfer

• Moving internal parts
• Alignment issues
Products and applications

https://youtu.be/5LRW9So1eA4
Strategic Collaborations

Industrial Development Partners
- DOW Subsea
- Kongsberg
- SAAB
- Sonardyne
- SWIRE SEABED
- METAS
- FMC Technologies
- NOV
- Fjell Subsea Products
- Global Centres of Expertise (GCE Subsea)

Investors
- Brasca
- Innovation Norway
- The Research Council of Norway
- Høgskolen i Bergen
- Universitas Bergen

Clients
- Shell
- Norwegian Oceanographic Institute
- Global Centres of Expertise

Facilitators
- WiSub

Academic / R&D Partners
- University of Bergen
- University of Technology
Brazil Collaboration

2016
January
Intro to BN21

March
Meetings in Rio

May
Partnering, application

2017-2018
Funded Brazil-Norway R&D collaboration project

Project execution
Universal pinless AUV interface

Brazil scope: acoustic communication
- through-water communications module
- Topside Control system
- Mission AUV comm’s
- Backup & Mission AUV Through-water comm’s

Norwegian scope: electromagnetic-based power & communications

Surface unit:
- control panel
- power supply
- Processing
- Power Conditioning
- AUV Dock
- Data Logger
JIP Participants – AUV interface

Financial & Facilitation

Operators

Academic R&D

Industrial R&D

AUV pinless interface

Project Leads

Hydroacoustics
Questions?

Please contact:

Mark Bokenfohr, CEO
mark@wisub.com
+47 95 24 98 96