ADVANCED CERAMICS AS ENABLER FOR SUBSEA SYSTEMS
DEEP-SEA MINING | OIL AND GAS PRODUCTION
Due to their extremely high compressive strength in combination with corrosion and wear resistance, ceramic materials have great advantages over other materials. They are best suited to achieve significant improvements in existing and new subsea systems. The Fraunhofer AdvanCer Alliance is research partner and supplier for:

- Extremely wear- and corrosion-resistant components for rough conditions
- Pressure-resistant transparent ceramics for optical systems
- Robust electronics and sensor systems
- Measuring and monitoring systems for structural health monitoring and process control
- Compact membrane systems for separation and water treatment processes

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