Advanced Ceramic Components for Offshore & Subsea Technologies

High Performance Materials for Rough Conditions
CeramTec is one of the leading international suppliers of products, solutions and services for all advanced ceramics applications.

- **Over 3,000 employee worldwide**
- **Sales: €405 million p.a.**
- **Over 100 years of material, development, manufacturing and application expertise**
- **Main markets include automotive, medical electronics, electronics, machinery, manufacturing and application expertise.**

## Sales

- Suppliers of products, solutions and services for engineered ceramics.
- CeramTec is one of the leading international suppliers of advanced ceramics.

## Solutions Tailored to Your Needs

- **Increased efficiency of production and machines**
- **Higher availability and machines**
- **Your Advantages**
  - High-performance solutions
  - Lower maintenance cost
  - Hermetic seals
  - CeramTec Materials
  - Ceramic Linings
  - Ceramic Seal and Regulator Technology for pumps and valves.
  - Ceramic seal rings
  - Ceramic seal rings are excellent for thermal insulation.
  - Ceramic seals: Everywhere where high-abrasive materials are conveyed, ceramic seals provide protection from wear and corrosion.
  - CeramicCoat® ceramic seal rings.
  - CeramicCoat® ceramic seal rings are an effective combination of circuit board and heat sink for the reliable cooling of thermally sensitive electronic components and circuits.
  - The heat-sinks are excellently suited for thermal management and cooling of high-power electronic systems, high-performance circuits or high-power LED lighting systems.

## Advanced Ceramic Grinding and Molding Components for Low Wind

- Wind farms and wind towers made from advanced ceramics in various sizes provide highly efficient grinding and shaping ability.
- Powder and sighting components for liquids and gaseous media.
- Abrasive and sealing devices.
- Ceramic materials.
- Ceramic tubes and rods.

## CeramicTec Products

- Side bearings
- Seal rings and diaphragms up to 1,000 mm
- Pistons and plungers for pumps
- Impellers
- Hydrocyclones
- Hoses and tubing for valves and bearing applications
- Seal and regulating discs for liquids and gases
- Abrasive and sealing devices
- Nozzles
- Impellers
- Hydrocyclones
- Viewports

## Metal Matrix Composites (MMC)

- **Aluminum oxide**
- **Silicon nitride**
- **Silicon carbide**
- **Diamond sintered**
- **Silicon nitride**
- **Metal Matrix Composite MMC**