



## Energy

## Energy generation

Post-tensioning solutions for :

- Hybrid onshore wind towers
- Dams for renewable energy generation
- Nuclear power plants
- LNG terminals as conventional energy storage

## Key trends

- The **need for a higher amount of energy** is rising
  - **Our ambition** is to generate **65% of its sales from sustainable solutions**
  - We are also aiming for **Carbon Net Zero by 2050**
- In the transition phase, conventional energy sources will still be needed as well, so **green wires and green wire products** are the solution of the future





## Challenges

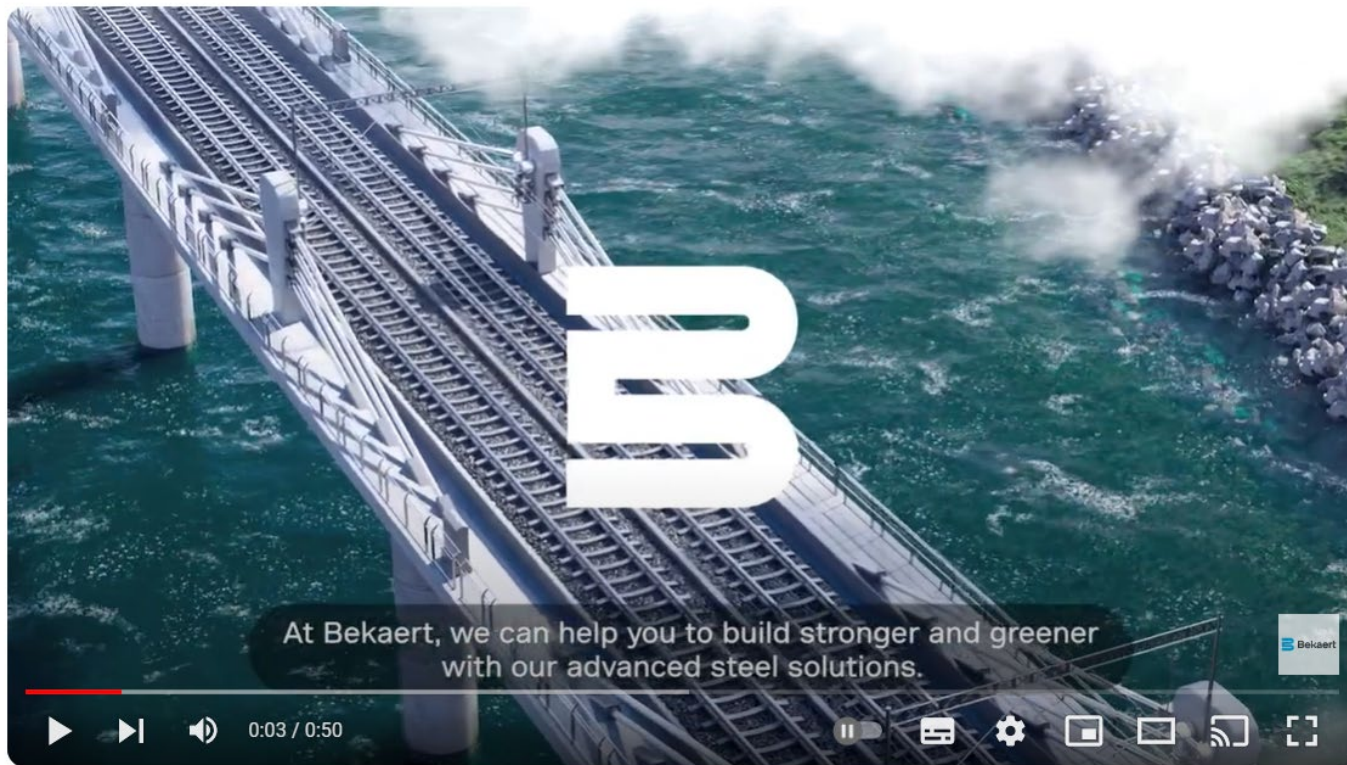
- Hybrid onshore wind towers
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- **Easy installation** in harsh environments (Peace of mind)
- Growing awareness **end of life requirements** (recyclability)
- **Availability** of bigger steel/strand quantity in the limited period
- Growing request for **CO<sub>2</sub> emission data** (EPD)
- Construction is rapidly **pushing for greener products and solutions**

## Benefits



- **Consistent quality** across larger wire and strand batches.
- We are offering solutions to **reduce wax and grease usage**
- We can provide **dedicated capacity** for the focus applications
- Working on **EPD certificates** for the full range, available in summer 2024
- Progressing with projects to qualify **green steel for demanding products and applications**



**Bekaert Ultra High Strength (UHS) strands and wires for sustainable structures**



- Hybrid onshore wind towers
- Dams for renewable energy generation
- Nuclear power plants
- LNG terminals

## Pre-stressing strands for optimal tensioning

- Bright, galvanized, **Bezinal®3000 coated wires and strands**
- Complying or exceeding all requirements of **global & regional standards and certificates**
- Offering both the conventional and **higher tensile grades**
- Based on **state-of-the-art production and testing equipment** in Hlohovec plant in Slovakia

### Contributing to EU's energy security

## Extension of LNG regasification terminal in Poland

The project to expand the Polish terminal in Świnoujście is on the European list of *Projects of Common Interest*. This investment should improve the security and diversification of the natural gas supply in Europe. It also contributes to achieving the EU's energy goals.

### Why choose our strands to reinforce LNG terminals?

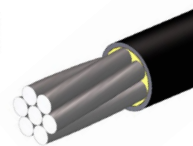
- ✓ High resistance to cryogenic exposure thanks to the supreme ductility of strands
- ✓ Safe storage due to advanced surface treatment and protective packaging
- ✓ Flexible partner with a global footprint
- ✓ Your partner in the sustainability race



HDPE sheathed strand



Bright strands



Mono strand

**Want to know more?**



**Bekaert**