

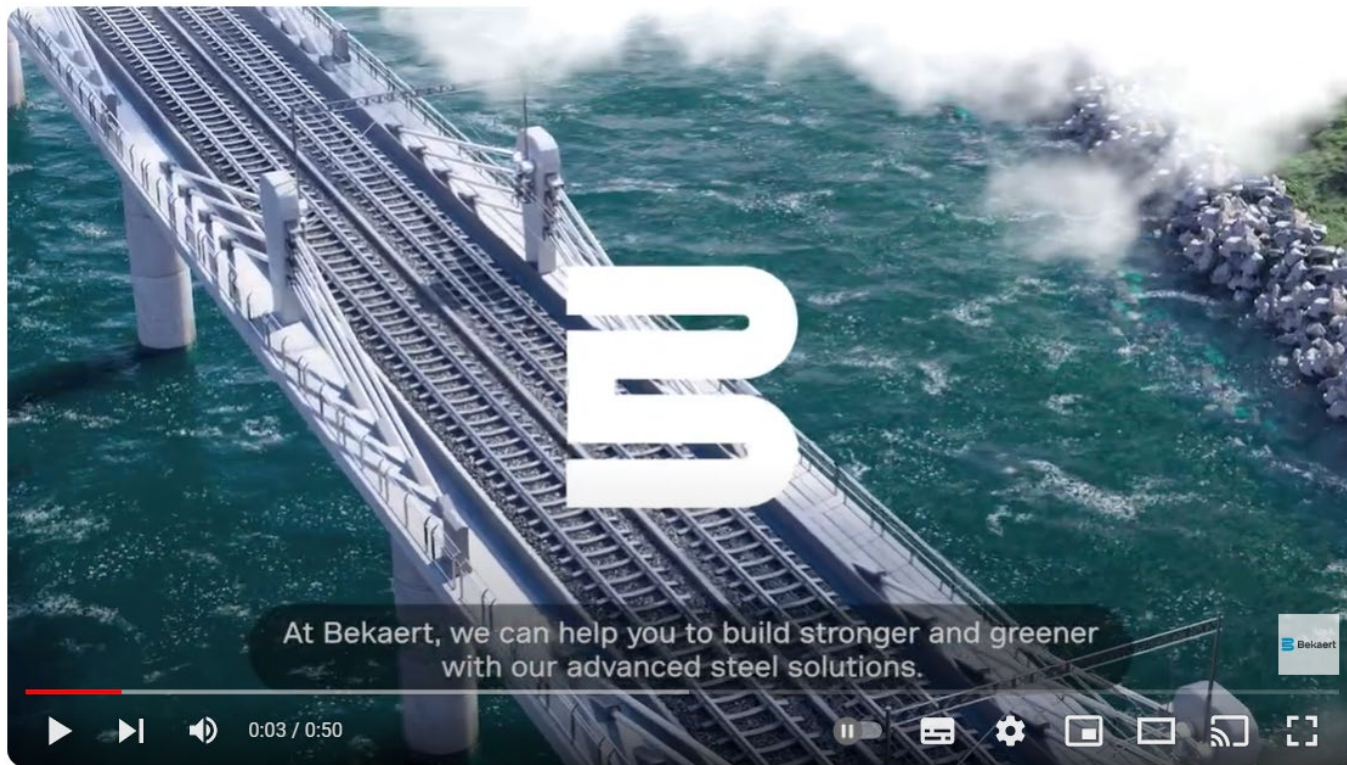
## Infrastructure

## Bridges

- **Stay cable bridge:** Cable stay strands
- **Deck construction:** PC strands for precast and post-tensioning applications

## Key trends

- Target to **reduce CO<sub>2</sub> - sustainability**
- **Further urbanization** in developing countries
- **Rehabilitation** - need for repair and strengthening of existing structures in developed countries
- **Safety/quality/reliability of the structure** = Peace of mind & safety during construction on the job site
- **Increasing traffic**, higher **safety** requirements
- Focus on **repair and maintenance** in mature countries
- Focus on **additional highway capacity** in emerging countries



At Bekaert, we can help you to build stronger and greener with our advanced steel solutions.

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



## Extend the life-time of your bridges

### Challenges

- Increasing of **total cost** of ownership
- **Lifetime** of the bridge
- **Installation method** requires exact lengths - master strand

### Benefits



- 100-year service-life
- Short-time delivery of large volumes



- Market-to-length master strands for easier installation (one-stop-shop)



- Bekaert's production is closely monitored by advanced on-line measuring devices - consistent quality supplier

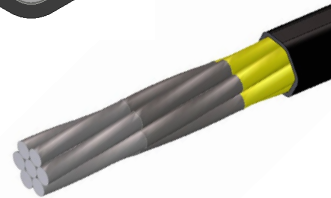
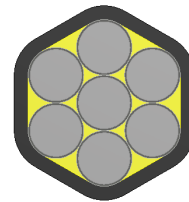
Cable stay strands



# HDPE sheathed stay cable strands

## Product features

- waxed galvanized or Bezinal®3000 coated steel wires extruded with an HDPE sheath.
- all process operations such as wire drawing, galvanization, stranding, extrusion and packaging are carried out in-house - online quality control
- state-of-the-art laser based measuring line - reference strands with precision tolerances



Cable stay strands

**Want to  
know  
more?**





## Monostrands & PC strands

- 7-wire bright PC strand,
- 7-wire bright or galvanized, greased, and HDPE sheathed strand

### Large-scale projects with ease

MTHL is the road bridge across the Mumbai Harbour connecting the island city of Mumbai and the mainland.

To strengthen this 21.800 km of elevated highway, several thousand tons of strands from Bekaert were produced and used for post-tensioning work.

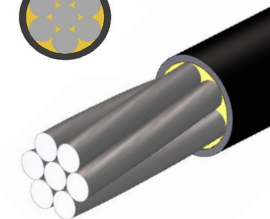
When completed, it would be the longest sea bridge in India.

### What can you gain from our partnership?

- ✓ flexibility in terms of production and delivery time
- ✓ prolonged lifetime of your structures
- ✓ reliable partner for large-scale projects
- ✓ your ally on the road to CO2 reduction



Bright strands



Monostrand



Bridge deck



Want to  
know  
more?

