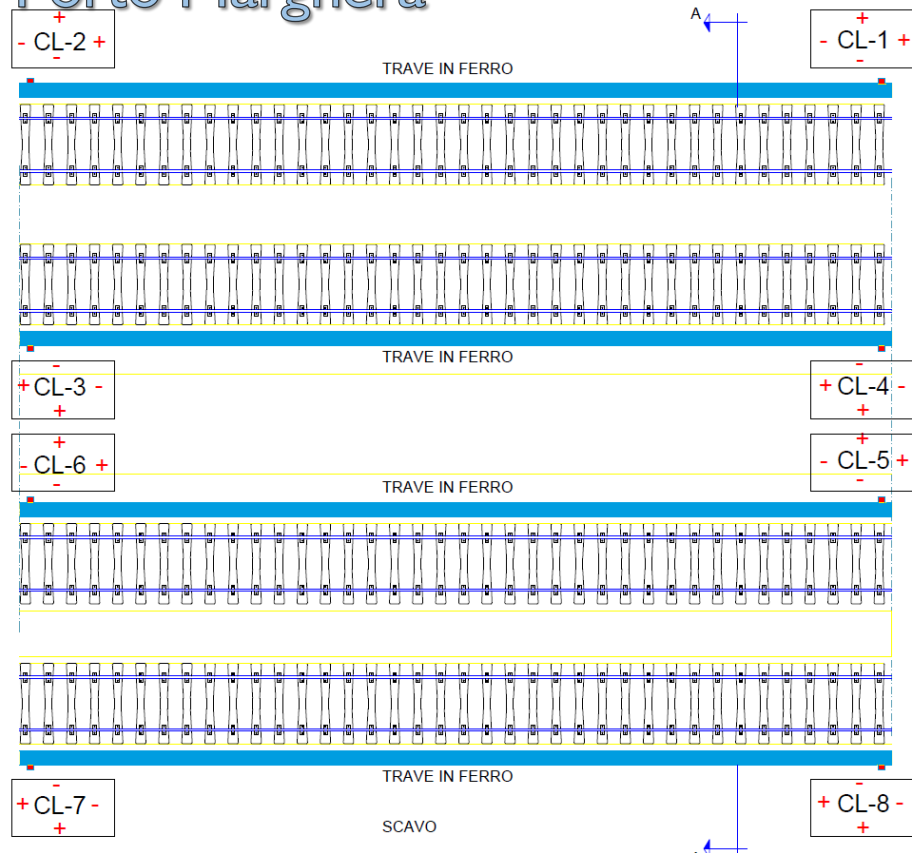


# Railways Monitoring

## Porto Marghera



## Background

As part of Venice's urban regeneration RE.MO.VE project, a system was planned to monitor the stability of bridge beams that support the tracks in the railway section situated in the vicinity of the Porto Marghera station.

## The solution

The WineCap™ dual-axis inclinometer dataloggers were chosen to monitor the stability of the structure. The sensors are positioned on the vertical walls of the steel beams just beneath track level and enable the X and Y axes to be checked continually and the temperature to be measured. The data captured are stored in line with strict railway network standards and sent continually to the GSM control unit situated in the station offices. The gateway sends the data to the cloud and makes them available to the end user, who has the necessary access credentials.

## The result

The CAPETTI wireless datalogging techniques have optimised factors such as data reliability, access to measured values and the associated cost.



WSD15TIIDR



The winning choice **WineCap**

- ✓ WSD15TIIDR (biaxial inclination)
- ✓ MWDG-GSM-M5 (railways gateway)