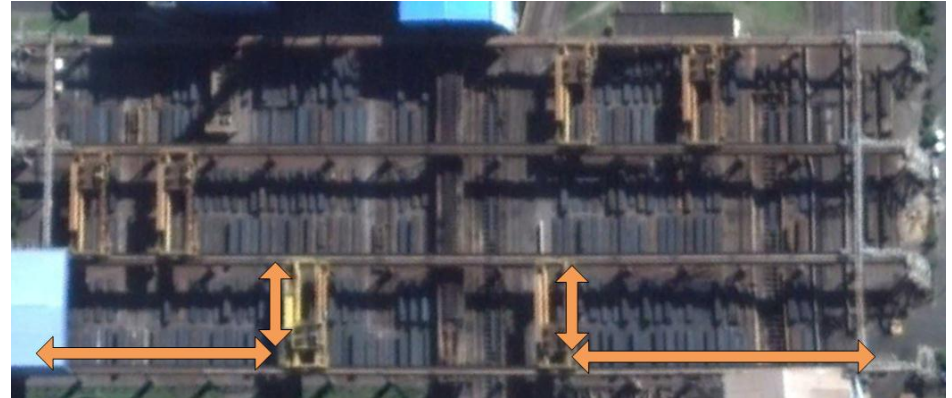


# Positioning of Cranes and Trolleys in Slab Yard

ArcelorMittal Tubarão, Vitória, Espírito Santo, Brazil

## Application

- Tracking of cranes and trolleys (x/y-position) operating in the slab yard of AM Tubarão
- Automatic position acquisition is required to provide accurate and reliable slab storage positions to the yard management software
- Previously installed lasers failed due to crane vibration, sunlight exposure and steam emerging from the slabs
- Previously installed code bars failed due to accumulation of dirt and exposure to heat



## Achievements

- Two cranes equipped with Symeo LPR® -1DP/2 systems providing x/y-positions
- X- and y-positions are available through one single interface at each LPR® unit
- The radio based LPR® measurement is not affected by dust, dirt, steam, sunlight exposure and heavy crane vibration
- Uninterrupted and maintenance-free operation of the LPR® positioning system since installation

