

### Information in regard to Heavy-Load Transhipment Quay West-Side (Load Assumption)

The quay at the west side of the Labradorhafen is in the size of 100 m x 16 m suited for heavy load transhipment.

The following **load assumptions** were made in dimensioning the heavy-duty slab:

- Trolley + cable car
  - Total load = 4,210 kN
  - Trolley dimensions : L x W = 19.5m x 3.0 m
  - Replacement area load: 72 kN/m<sup>2</sup>
- Mobile crane Liebherr LGD 1750:
  - max. side pressure: 3,600 kN
  - Replacement area load: 250 kN/m<sup>2</sup> over 14.4 m<sup>2</sup>
  - 4 brackets with load distribution plates: L x W = 6,0 x 2,4
  - Distance of the brackets:
    - Parallel to the crane: 12,50m
    - Diagonally to the crane: 12,00m
- Crawler crane TEREX-DEMAG CC2800
  - max. side pressure 550 kN/m<sup>2</sup>
  - Replacement area load: 280 kN/m<sup>2</sup> over 16,8m<sup>2</sup>
- Hubs with bearing elements: Total load: 3,600 kN
- Nacelles including bearing elements: Total load: 3,600 kN
  - max. side pressure: 3,600 kN
  - Replacement area load: 250 kN/m<sup>2</sup> over 14.4m<sup>2</sup>
  - 4 brackets with load distribution plates: L x W = 6.0m x 2.4m
  - Distance of the brackets:
    - Parallel to the crane: 12.50m
    - Diagonally to the crane: 12.00m