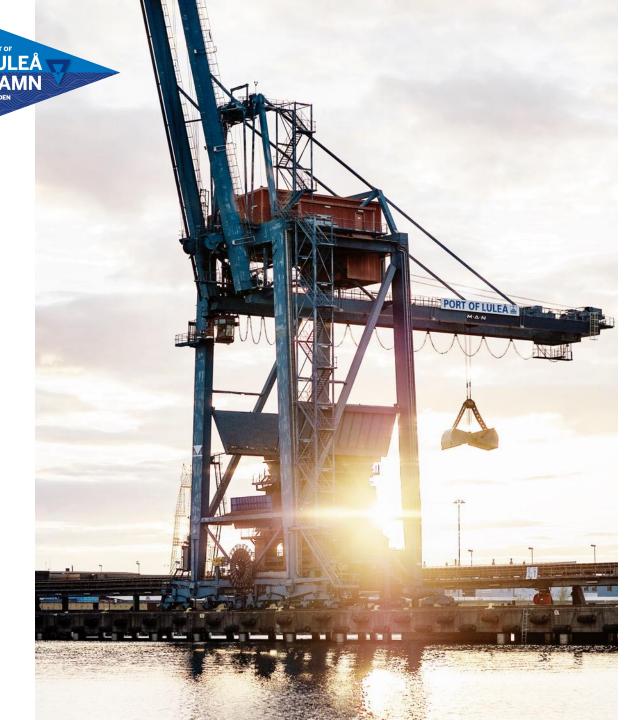


STRATEGICAL LOCATION

- Proximity to mines and mineral deposits.
- ➤ Positioned at the top of the Bothnian Bay.
- ➤ 90% of the EU's iron ore production is located in the Arctic region connected to the Port of Luleå.



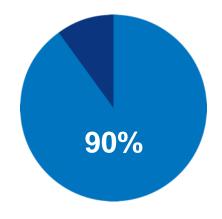
GREAT IMPORTANCE FOR THE REGION

- ➤ Competitive logistics solutions.
- Creates opportunities for businesses with land and infrastructure.
- ► Enables expansion for industry Iron ore production increases 30 40% the coming years.
- Contributes to growth (income and jobs).



GREAT IMPORTANCE FOR EUROPE

- ► Mineral rich region for future expansion.
- ➤ 90% of Europe's iron ore production takes place in the region.

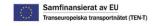
















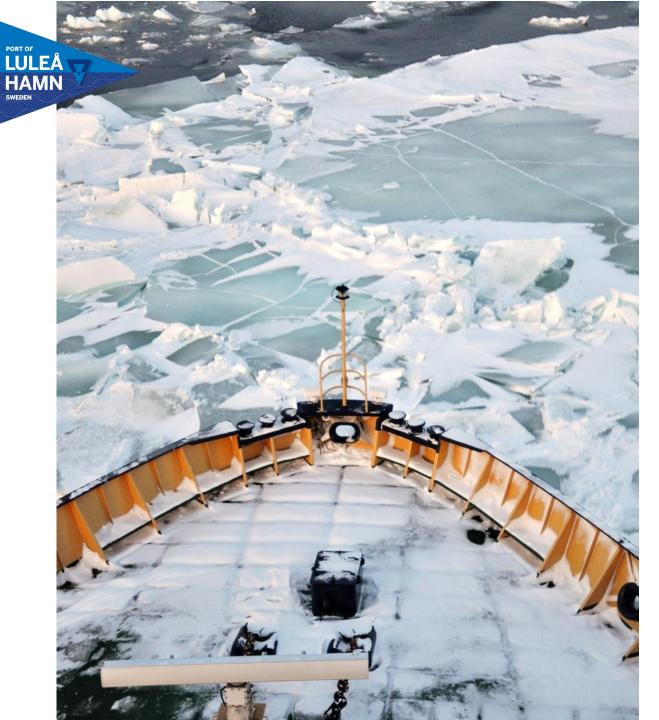
WE ARE BUILDING THE PORT OF THE FUTURE

- Deeper fairway and port 16.85m depth and15m draught
- ➤ Safer and more modern fairway.
- ► New harbour section 3 quays.
- ► Increased loading and storage capacity.
- ➤ New industrial land is created 700 000 sqm.

KARLSBORG LULEÅ LULEÅ Verification of depth within the Mona-Lisa project. RAAHE (Brahestad) **Detail of Lulea inlet fairways** SKELLEFTEA r and winter traffic 15.0 m draft New deep draft corridor Winter traffic 13.5 m draft Oredoing and 6.5 for winter traffic. **Hydrographical surveys** er treffic 15.0 m dreft for depth verification. KOKKOLA PIETARSAARI Hydrographical surveys within (Jakobstad) the EU-project Mona-Lisa 2012-13 Completed FSIS44 Hydrographical surveys to be hydrographical surveys. performed within the Luleå project. Full seafloor coverage on hydrographical data (FSIS44-quality). TSS Norra Kvarken, TSS Norra Kvarken dredging and fairway (Traffic Separation Scheme) marking for 15.0 m draft.

MALMPORTEN OPENS THE GULF OF BOTHNIA

- Dredging of fairways
- New Deeper Harbour
- Larger vessels can enter the region
- ► The Port of Luleå will be a logistic hub
- Excellent connection to rail and road
- Relieve road and rail transportsNorth South

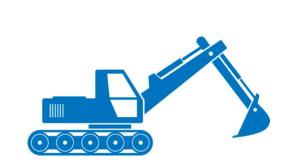


ENVIRONMENT AND ECONOMY OF SCALE

- ► Increased size of vessels +300%.
- ► Decreased fuel consumption -40%.
- ► Decreased emissions -40%.
- ► Decreased cost of transportation -40%
- ➤ Total cost of project.320 million Euro

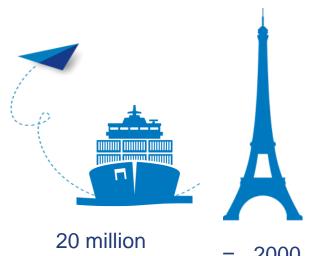


FANTASTIC FACTS MALMPORTEN



22 million cubic metres = of dredged material

A 4-lane road from Stockholm to Brussels



tonnes per year

= 2000

