

KORINKI Oy REFERENCE LIST

CRANES, WEIGHING SYSTEMS AND SHIPS

CRANE DESIGN AND HOIST DESIGN:

Power plant installation cranes, Balakovskaya AES, Russia; Konecranes NEE New Cranes, Finland:

- Offer design of gantry cranes: capacity 180+180 ton, span 80 m, lifting height 70 m

Steel works cranes, Vorskla Stal, Poltava, Ukraine; Konecranes NEE New Cranes, Finland:

- Offer design and basic design of bridge cranes and cranes placing in the factory layout
 - Scrap handling cranes: capacity 16 ton, span 28 m
 - Maintenance cranes: capacity 60/10 ton, span 26 m
 - Charging and Ladle cranes: capacity 340+60+20/10 ton, span 27 m
 - Tundish cranes: capacity 130/30 ton, span 26 m
 - Billet handling cranes: capacity 50/10 ton, span 30,5 m

Grab cranes, Cemex, Latvia; Konecranes NEE New Cranes, Finland:

- Offer design of bridge cranes: capacity 16 ton, span 25 m

Maintenance crane, Dreggen AS, Norway; Konecranes NEE New Cranes, Finland:

- Offer design of bridge crane: capacity 5 ton, span 19 m

Rotating head block for 40ft container spreader, harbour of Odessa, Ukraine; Konecranes NEE New Cranes, Finland:

- Offer design, basic design and dynamics calculations for the head block

Power plant maintenance cranes, Uribanto-Kaparo, Venezuela; Konecranes NEE New Cranes, Finland:

- Offer design of bridge cranes: capacity 500/32/10 ton, span 21 m

Cranes for gold mine, Kumtor, Kyrgyzstan; Konecranes NEE New Cranes, Finland:

- Offer design of bridge cranes: capacity 75/10 ton, span 26 m

Plate handling cranes, Baltijos Shipbuilding Yard JSC, Lithuania; Konecranes NEE New Cranes, Finland:

- Offer design of bridge cranes: capacity 2x40/10 ton, span 22,5 m

Maintenance cranes for steel mill, VAI UK, Great Britain; Konecranes NEE New Cranes, Finland:

- Offer design of bridge cranes: capacity 35/10 ton, span 31,4 m

Over 350 other similar projects.

CRANE SERVICE AND MODERNIZATION:

Modernization of crane vessel "Qurban Abasov" (ex-Titan 4), lifting capacity 600 ton, SOCAR, Baku, Azerbaijan; Konecranes EE Service, Finland:

- Design and strength calculations of lifting beams of the crane machinery room
- Dimensioning and design of the 280 ton boom overhauling supports
- Mechanical design of the overhauling tools of boom hinge axles and rope pulley axles

Modernization of billet handling crane (capacity 20 ton), EOA Staks, Krasny Sulin, Russia; Konecranes NEE Service, Finland:

- Offer design of rotating trolley and lifting device

Modernization of tambour crane in paper mill (capacity 50 ton), International Paper, Svetogorsk, Russia; Konecranes NEE Service, Finland:

- Acceleration and torque calculations of the lifting device of tambour crane

Ship-to-shore STS gantry crane (G140, capacity 40 ton, lifting height 20 m), Klaipeda Stevedoring Company, Lithuania; Konecranes NEE Service, Finland:

- Mechanical design and construction supervision of changing trolley rails in main girder and boom hinge area

Brake simulators for training, Training centers, Ukraine and Russia; Konecranes NEE Service, Finland:

- Mechanical design of hoisting motion and travelling motion brake simulators

Extraction tools of crane travelling gears; Konecranes NEE Service, Finland:

- Mechanical design of extraction tools of PIV and Flender travelling gears

Plenty of other similar projects.

WEIGHING SYSTEMS:

Trapper railway scale; Tamtron Systems Oy, Finland:

- Structure drawings and strength calculations according to the Eurocode EN 1991 and EN 1993 (DIN-Fachbericht 101 and 103) steel bridge standards for project deliveries (Josera GmbH, Hafen Hannover GmbH) and for the German Eisenbahn-Bundesamt (EBA) type approval

Scalex WILD railway flat wheel detection and weighing system; Tamtron Systems Oy, Finland:

- Strength calculations and report

Trapper railway scale; Tamtron Systems Oy, Finland:

- Productization and product improvement of the Trapper weighing mechanics
- New set of workshop drawings

Scalex 1000 truck scale; Tamtron Systems Oy, Finland:

- Strength calculations of the weighbridge and updating the workshop drawings

Scalex WILD railway flat wheel detection and weighing system; Tamtron Systems Oy, Finland:

- Design of coverings for the RPC1-load cells
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SHIP ENGINEERING:

Arctic icebreaking iron ore carrier project, Baffinland Iron Mines Corporation, Canada;
Foreship Ltd., Finland:

- Midship section design and strength calculations according to the Det Norske Veritas classification and ice rules.

OTHER SUBJECTS:

Roller climbing robot and Step climbing robot; Foundation for Finnish Inventions and Meclimb Oy, Finland:

- Frame design and mechanics design from ideation to prototype fabrication and patent application
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