

## RUUKKI METALS OY, FINLAND

# MODERNIZATION INCREASED CRANE LIFETIME

### CHALLENGE

Rautaruukki is a Finnish metal company that provides its customers with energy-efficient steel solutions for better living, working and moving. The company has around 12,000 employees in 30 countries.

The N7 bridge crane at their Hameenlinna factory was severely outdated. The original cabin was worn out, and spare parts were no longer readily available. The crane needed to be modernized.

### SOLUTION

The factory had another crane in need of modernization, and a third one at the end of its life cycle. They decided to relocate the cranes. One crane was removed, two cranes were relocated, and a new crane was ordered.

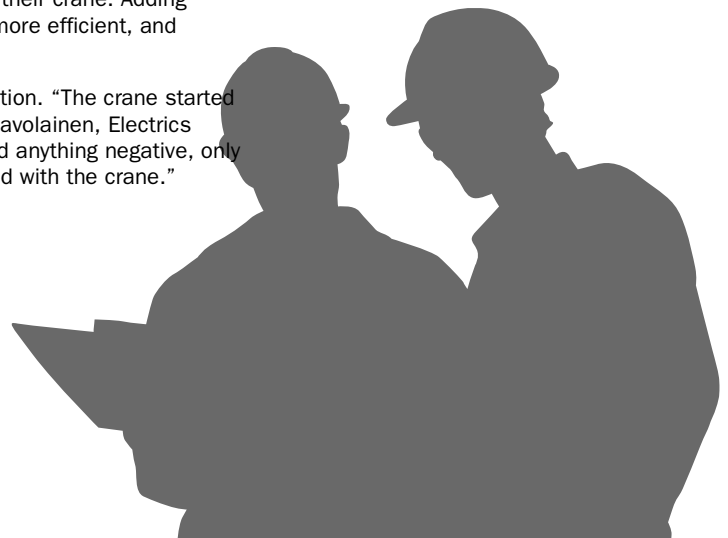
After the modernization, the N7 crane was relocated to the dispatch department where it would load coils on to trains and trucks. The crane's electrical system and drives were updated, the mechanical parts of the trolley and bridge were serviced, and the crane was repainted. Furthermore, the crane was connected to the inventory management system.



### RESULTS

The modernization significantly increased the lifetime of their crane. Adding inventory management made dispatch work easier and more efficient, and enabled them to have better control over their inventory.

The customer is completely satisfied with the modernization. "The crane started working immediately and without problems," says Arto Savolainen, Electrics Maintenance Engineer at Ruukki Metals. "I haven't heard anything negative, only praise. The production department is completely satisfied with the crane."





**INDUSTRIAL CRANES:** Konecranes is the industry benchmark for safety, reliability, cost saving and productivity-enhancing innovation. Standard and heavy-duty cranes include electric overhead cranes up to 1,000+ tons and explosion-proof cranes and components. Workstation lifting systems feature enhanced material flow with ceiling-mounted monorails and free standing cranes systems, jib cranes and manual lifting products and electric chain hoist up to 7500 kg. Konecranes provides any lifting application in any industry.



**NUCLEAR CRANES:** With nearly a half century of nuclear crane experience Konecranes is the most seasoned supplier in the industry. Our wide range of products are designed specifically for operation in nuclear applications and our quality control program ensures that each nuclear crane and component is designed, manufactured and installed to the demanding standards of the nuclear industry.



**PORT AND PORTAL CRANES & SERVICE:** Konecranes designs, manufactures, and delivers large cranes for ports, container terminals, intermodal terminals, shipyards and bulk material handling. We also provide expert maintenance and after-sale support as well as complete crane service worldwide for all types and makes of harbor and shipyard cranes.



**HEAVY-DUTY LIFT TRUCKS:** Konecranes is a world-leading manufacturer of lift trucks with lifting capacities of 10 to 80 tons. For over 50 years Konecranes has designed and customized trucks for the most demanding applications and continues to offer a wide range of trucks for customers in many different industries. Products include forklifts, reach stackers, empty container handlers, gantry trucks/toploaders.



**CRANE SERVICE:** Konecranes provides an extensive range of services and unique capabilities dedicated to improving safety and helping your business decrease the cost of downtime and increase the productivity of uptime. We can service any make of crane and hoist. With a global network of maintenance professionals operating from more than 570 service depots around the world, we repair, inspect and maintain more cranes worldwide than any other company.



**MACHINE TOOL SERVICE:** As a global leader in machine tool maintenance service, Konecranes offers world-class service on all makes and models of machine tool equipment. From maintenance programs to rebuild, remanufacture and retrofit, we have the knowledge and expertise required to keep your equipment running effectively and efficiently.



**PARTS:** Konecranes is the OEM for many of the best known brands of hoists and cranes as well as the largest single source supplier for parts of all makes. We have the most extensive inventory in the industry, as well as dedicated in-house parts manufacturing and extensive reverse engineering services to assist you with obsolete and/or not readily available parts. Our expert technicians are always available to help with field installation and support.