

DANIELI CENTRO CRANES SERVICE

Your expert and reliable
Service Team.

DANIELI CENTRO CRANES



DANIELI CENTRO CRANES SERVICE

- 4 AFTER-SALES SERVICE
- 7 REVAMPING ACTIVITIES
- 8 TECHNOLOGICAL PACKAGES

Cranes are among the most critical tools for plant performance. They require regular equipment renewal and maintenance.

Engineering, manufacturing, erection and commissioning, after-sales assistance for technological cranes from a single provider, this is our strength.

Danieli Centro Cranes Service can support you with:

- Technical inspections;
- Evaluation of cranes' residual life;
- Revamping activities;
- Supply of original spare parts;
- Installation of the most innovative technological packages;
- Tailor-made solutions.

“Innov-action to be a step ahead” is our motto, we can always offer the most advanced technologies, to be the leaders in innovation. Commit to an expert and reliable Service Team.





DANIELI
CENTRO CRANES

V13

V14

H

52

86260 50

86260 49

86260 48

AFTER-SALES SERVICE



Once the crane is delivered, installed and successfully commissioned, our real work starts. It is our goal to accompany our customers through the technical life of the crane to ensure they receive the best value and performance from it, jointly developing scheduled maintenance activities and optimizing the OpEx of the plant, while making the most of the CapEx investment, as each crane represents a tangible and valuable asset of the company.

Our Expertise

Our competences are wide, and we can offer tailor-made solutions according to your needs. Our field of expertise includes:

- Original Spare Parts;
- Revamping;
- Remote Assistance;
- DAN-Wheels;
- DAN-Cabins;
- DAN-Gearboxes.

We also offer a full set of technological packages to satisfy every production need.

ORIGINAL SPARE PARTS

Keeping quality a constant factor

The quality of the spare parts is a key factor to guarantee long-term reliability and asset preservation.

Rely on Danieli's experience and privileged relationship with the supplier to:

- Optimize spares management;
- Avoid hidden production costs;
- Reduce inventory;
- Set a stock for spares.

Customer-oriented tools

E-Spare

User-friendly interface to identify crane components directly from the engineering drawings. Automatic creation of a spare parts lists for purchasing purposes.

C-Stock. Consignment Stock.

Manage the consumables of your crane fleet in bulk supplies and optimize the OpEx cost. We manage the stock for you, the delivery time is reduced to few days and you pay only upon use.



REMOTE ASSISTANCE

> Related
Technological
Package:

CRANE LIFE
REPORT

The world is our playground

Danieli Centro Cranes has proudly supplied cranes to more than 40 countries worldwide. Wherever you are, thanks to our Remote Assistance Service, we can connect your crane with our Service Center and provide you with the fastest problem-solving tool available: direct interaction with our experts.

The remote assistance, to be customized according to the true needs of customers, only requires an internet or mobile connection and provides "secure" access, always controlled by the customer, upon request without access to internal customer network.



DAN-WHEELS

Long lasting wheels

Danieli Centro Cranes, thanks to its wide experience, created the perfect crane wheel, with high quality and an affordable cost. Product quality is the primary consideration: a strict quality control system certifies the reliability of all the wheels of each crane. The raw material is produced in Italy (in the Danieli Group's ABS meltshop for special steel) and the finished product is entirely manufactured in Danieli's workshops. We define and control the full production process.

Technical features:

- Diameter range: 200-800 mm;
- Hardness: 42-47 HRC or 50-54 HRC;
- Hardening depth: 6 or 10 mm (UNI 10932).

Our wheels are tailor-made based on customers' requests and specifications.



DAN-CABIN

Comfortable and tailored working environment

Working in the proper environment is a key factor to reach outstanding performances.

As operators are a central element in the crane's operation, Danieli designed the most ergonomic cabin to create the best working conditions.

The maintenance of the cabin is critical too, and relying on our experience, we have found an easy solution for the most common and serious problems:

- Easy-to-change glass windows;
- Full glass frame replacement – plug&play technology;
- Built-in design for maximum operator visibility;
- Designed for simple cleaning and maintenance.
- Can be installed in existing as well as new cranes.



DAN-GEARBOXES

High-Quality engineering for reliable gearboxes

Danieli gearboxes are designed and manufactured in Danieli specialized workshop for heavy-duty cranes, all with welded steel cases.

Gears are helicoidal in alloyed, case-hardened, tempered and ground steel.

For the main hoist, when a redundancy is required, the reduction unit can be designed with a first planetary stage that makes possible to drive the two motors separately. It is therefore possible to handle the full load at half speed even if a failure occurs on one of the two motors or on their drive unit.



REVAMPING ACTIVITIES

Making old beauties shine again

Revamps can revive equipment that has been in operation for years, giving a new certified life. A dedicated revamping team at Danieli Centro Cranes ensures an overall approach to identifying the best solutions, starting from on-site inspections, structural calculations of existing structures, updated technical documents and manuals and complete turnkey revamps.

Danieli revamps are technological projects, and their strength is the integration with our technological packages. When the revamp is finished you will

have a completely new crane, leveraging the assets of the original machines and adding the advanced innovations of Danieli Centro Cranes.

Residual life estimation

Cranes are subjected to heavy-duty cyclical operations; the actual use of the machine may impact both the life of individual components and the structural elements of the machine.

The estimation of the residual life is the first analysis to be made, to be aware of the actual status of the crane before the revamping activities begin.

Technological revamping of the electrical part and integration with the most advanced technological packages of an outdated crane for coils. Below, the crane before the revamping activities. On the right, the crane after the intervention.



Fast track revamping on a charging crane until new operations restart. Below, the crane before the revamping activities. On the right, the crane after the intervention.



TECHNOLOGICAL PACKAGES

Danieli Centro Cranes offers trustworthy solutions to work with customers as a technological partner. We invest our resources to develop new technological packages with time -and cost-effective measures, with a forward-looking approach in adopting the latest technological improvements.

Our Packages

The following items can be purchased as stand-alone packages or together as a set. When these solutions are working together, in synergy, they make it possible to have fully automatic cranes.

- CRBS - Crane Regenerative Braking System;
- 3D-VR;

- Crane Life Report;
- Digital Life Monitoring;
- Anti-skewing;
- Ladle Safe Pick-Up (with Visual Confirmation System - VCS).
- Crane Wireless Connection;
- Remote pulpit;
- Eye-on technology;
- Absolute Positioning;
- Anti-Sway.

We follow the development of new technologies and we try to leverage the interesting functions to improve our machines and offers. Danieli is always keen to partner with its customers in the development of advanced packages to offer top-quality and impactful technologies.

CRANES DIGITAL PACKAGES

LADLE SAFE
PICK-UP

CRBS

3D-VR

CRANE LIFE
REPORT

DIGITAL LIFE
MONITORING

ANTI-
SKEWING

REMOTE DRIVING PACKAGES

CRANE
WIRELESS
CONNECTION

REMOTE
PULPIT

EYE-ON
TECHNOLOGY

ABSOLUTE
POSITIONING

ANTI-SWAY

One package for every need

The packages can be classified in different categories, depending on the relevant topics for a customer. Danieli wants to offer a varied portfolio to satisfy every customer's needs.



Green packages



Smart connection and
Artificial Intelligence



IoT-driven
manufacturing



Data collection
and monitoring

CRBS CRANE REGENERATIVE BRAKING SYSTEM

It is the perfect technological package to be more "green" and cut the overall electrical consumption by using the electrical power generated during the stopping or braking activities. The system is equipped with standard regenerative converters that, together with frequency drives, inject back the power to the plant grid.

The recovered energy represents up to 20% of the electrical energy consumed by the crane: it is a massive OpEx savings for meltshops.



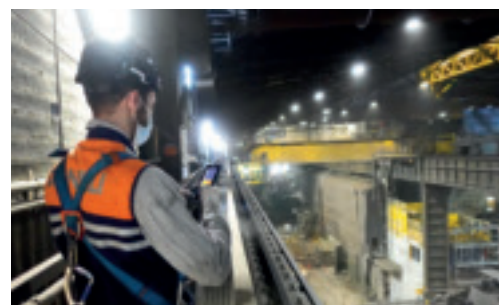
3D-VR VISUALIZING THE FUTURE CRANE

Why settle for visualizing the future machine on 2D drawings? Why not leverage the newly accessible 3D technologies? Danieli Centro Cranes has developed a new technology that, with the combination of our 3D drawing skills and the new virtual reality viewers, makes it possible to explore the crane before the construction. It is possible to visualize it scaled, to have the general overview of the parts, or to virtually inspect the crane walking on the trolley, directly from your workstation.



CRANE LIFE REPORT CONSTANT CHECK-UP OF THE CONDITIONS

Crane Life Report is a tool created to monitor the status of the crane and its components. It evaluates the wear and the expected service life of the crane based on actual usage. The huge amount of data collected is provided to an advanced algorithm that creates a wear profile based on different usage modes. The report makes possible to plan the maintenance and replacement of components before failure.



DIGITAL LIFE MONITORING VIBRATIONS AND CRANE LIFE ANALYSIS

> This package includes:

CRANE LIFE REPORT

Digital Life Monitoring is a complete package to track and control all the components' wear. This solution collects all the information available from the field sensors and uses them for:

- Trivial alarms reporting;
- Complete data mining of information;
- Processing the data for building BI reports.

This "life" monitoring of the crane condition, together with statistical analysis of the real crane operational data, leads also to an estimation of the crane operational condition, fatigue, etc., anticipating critical events that may dramatically affect crane availability.

Thanks to the information processed, it is possible to plan the maintenance Just-In-Time, considering the real wear of the components; assuring high availability and reliability of the crane, and cutting maintenance costs up to 15%.



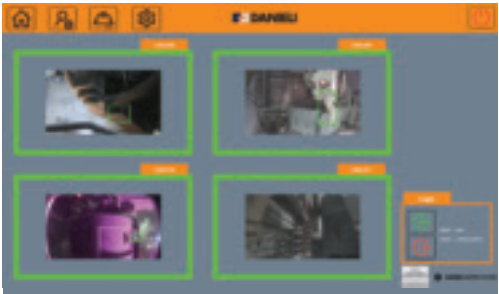
ANTI-SKEWING
LONG LASTING
WHEELS' LIFE

The wheels are among the parts of a crane with the highest rates of replacement. The anti-skewing system adjusts the speed of the wheels to make the bridge running always at the center of the rail, avoiding the excess wear of the wheels' bodies. The optimal speed is decided based on the data collected through some sensors installed on the machine.



LADLE SAFE
PICK-UP
SAFETY IN LOADING
ACTIVITIES

An important technical package is the Ladle Safe Pick-Up based on the VCS - Visual Confirmation System. It consists of a system capable of confirming the correct position of the hook in the pick-up or deposit position of a ladle with the use of images captured by cameras strategically placed on site.



REMOTE
DRIVING &
AUTOMATIC
CRANES

Automatic Cranes are the future

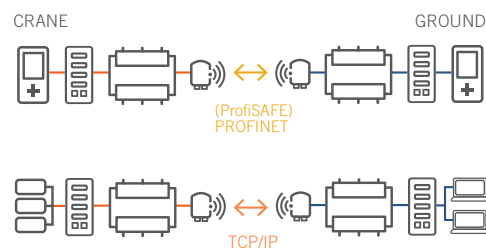
The most innovative plants need to standardize the process and automate the cycles. It's not always possible to fully automate the process, and in these

cases, it could be interesting to implement similar technologies with the aim of a remote control. The solution is very useful in all the environments that are not operator-friendly, where the safety and comfort of the worker cannot be assured properly.

CRANE PACKAGES COMBINATION					
	WIRELESS CONNECTION	EYE-ON TECHNOLOGY	REMOTE CONTROL DESK	ABSOLUTE POSITIONING	ANTI-SWAY
MANUAL CRANE	•	•	•		
SEMI-AUTOMATIC CRANE	•	•	•	•	
AUTOMATIC CRANE	•	•	•	•	•
The technological packages can work as a stand-alone systems or can be integrated to take advantage of synergies.					
Depending on the integration, different levels of automation can be reached: from a manual high-tech crane to a fully automatic machine.					

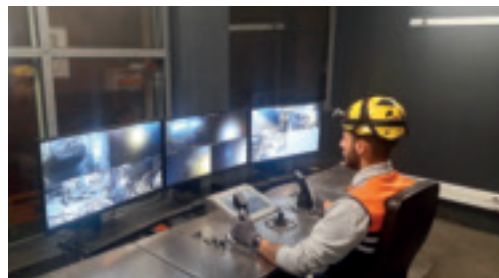
CRANE WIRELESS CONNECTION INTEGRATE THE CRANE IN A NETWORK

A wireless connection is a useful tool for collecting data and controlling the crane from the ground. The result is the creation of a safety capable for communication between ground and crane PLCs. Including a wide range of antennas, it is possible to create radio coverage not affected by electromagnetic disturbances.



REMOTE PULPIT COMFORTABLE DRIVING ENVIRONMENT

The control desk layout is fully customizable (with logos, buttons, lamps...). A wide range of manipulators can be used, and it can be fully integrated into the most common automation systems. The access is secured and controlled through RFID electronic-key system.



EYE-ON TECHNOLOGY SPOT THE IMPORTANT ACTIVITIES

EYE-ON is the revolutionary approach to camera management that allows the automatic follow-up of operations using cameras installed on the cranes and on the building.



ABSOLUTE POSITIONING PERFECT SPACE LOCATION

Automatic movements to the final destination with the calculation of the best route and the optimization of cycle time. It increases safety by limiting areas (and preventing human errors) and avoiding collisions of the defined equipment.



ANTI-SWAY SYSTEM AVOID LOAD OSCILLATIONS

Anti-sway is an operator assistance system that facilitates remote driving with the elimination of sway movements. It improves operation safety and ease the crane drives.



DANIELI HEADQUARTERS



Via Nazionale, 41
33042 Buttrio (UD) Italy
Tel (39) 0432.1958111
info@danieli.com
www.danieli.com

DANIELI CENTRO CRANES



Via Nazionale, 41
33042 Buttrio (UD) Italy
Tel (39) 0432.1958111
info.dccr@danieli.com
www.centrocranes.com

DANIELI WORLDWIDE

ARGENTINA

Yerba Buena T4107GRS,
Tucumán
Tel. (54) 9351 5514390
service.argentina@danieli.com

CHINA

No. 19, Xing Gang Road, CEDZ
Changshu, Jiangsu 215513
Tel. (86) 512 52267000
infofcds@china.danieli.com

FRANCE

Les Mercuriales
F-93176 Bagnolet Cedex
Tel. (33) 1.49722269
info@danieli-rotelec.fr

INDONESIA

Office 8 Building, 17th Floor SCBD
Lot 28 Jl. Jenderal Sudirman Kav.
52-53
12190 Jakarta
Tel. (62) 21.29333750
service.indonesia@danieli.com

KSA

Silver Tower 6th floor
P.O. Box 4867
Al-Khobar 31952
Tel. (966) 3.8993145
info@ksa.danieli.com

SPAIN

Poligono Sondikalde
Calle Portu Bidea, 2
48150 Sondika - Vizcaya
Tel. (34) 94.4872800
info@spain.danieli.com

THAILAND

Land Plot N. K11
The Eastern Seaboard Ind. Estate
Tambol Pluakdaeng, Amphur
Pluakdaeng, 21140 Rayong
Tel. (66) 38.929000
info@thailand.danieli.com

UAE

Late Ahmed Masood building
Office 1102, 11th floor Nadja Street,
Abu Dhabi
(971) 0 6749 619
service.uae@danieli.com

USA

600 Cranberry Woods Drive
Suite 200
Cranberry Township, PA 16066
Tel. (1) 724.7785400
info@usa.danieli.com

AUSTRIA

Max Planck Strasse, 5
A - 9100 Völkermarkt
Tel. (43) 4232.51440.6101
info@austria.danieli.com

CROATIA

Vinez 601,
Labin 52220
Tel. (385) 52 884 130
sinfo.hr@systec.danieli.com

GERMANY

Schifferstrasse 166
D-47059 Duisburg
Tel. (49) 203.98567000
info@germany.danieli.com

JAPAN

42F, Yokohama Landmark Tower
2-2-1, Minatomirai, Nishi-ku,
Yokohama-City
220-8142 Japan
Tel. (81) 45.651.7077
info@japan.danieli.com

MEXICO

Edificio Sierra Madre
Ave. Vasconcelos Oriente 310
Colonia del Valle
66250 Garza Garcia, N.L.
Tel. (52) 81.83781055
info@mexico.danieli.com

SWEDEN

Nya Ågatan, 23
SE-77782 Smedjebacken
Tel. (46) 240.668500
mh@morgardshammar.se

THE NETHERLANDS

Rooswijkweg 291, 1951
ME Velsen-Noord
Tel. (31) (0) 251.500500
info@danieli-corus.co

UKRAINE

Glinky Street 2, Office 301
49000 Dnipropetrovsk
Tel. (380) 56.7904301
info@ukraine.danieli.com

VIETNAM

Lot A4b Industrial Park
Tan Thuan EPZ (E-Office Park)
Tan Thuan Dong Ward, District 7
Ho Chi Minh City
Tel. (84) 28.37929400
info@vietnam.danieli.com

BRAZIL

Rua George Rexroth, 609 Diadema
CEP 09951-270 Sao Paulo
Tel. (55) 11.39953150
info@brazil.danieli.com

EGYPT

76 Al-moltaka Al-Arabi Dist 11799
Sheraton Zone, Heliopolis, Cairo
Tel. (20) 2.22699491
info@egypt.danieli.com

INDIA

Danieli India Ltd
7205, Central Expy, Sricity,
Andhra Pradesh 517646
Tel. (91) 857.6304000
info@india.danieli.com

KOREA

602 6th Fl., Yeondang Bldg.,
439 Teheran-Ro, Gangnam-Gu,
06158 Seoul
Tel. (82) 2.5626622
info@korea.danieli.com

RUSSIA

Leningradskiy Prospekt 31A
Building 1, 24th Floor
125284 Moscow
Tel. (7) 495.9819073
info@russia.danieli.com

TAIWAN

26F-1, No. 31
Hai-Bian Road
Kaohsiung City, Taiwan 802
Tel. (886) 7.3358655
info@taiwan.danieli.com

TURKEY

1. OSB Istiklal Mahallesi
1. Cadde No. 15
Beykoy - Duzce
Tel. (90) 3805537110
info@turkey.danieli.com

UNITED KINGDOM

4 Ignite, Magna Way
Rotherham S60 1FD
Tel. (44) 1709.724300
info@uk.danieli.com

Discover more
about Danieli.
Visit our web page
by scanning
this QR code





DANIELI THE RELIABLE
AND INNOVATIVE PARTNER
IN THE METALS INDUSTRY



DANIELI CENTRO CRANES
HEAVY-DUTY CRANES
SINCE 1958