



Port handling

SENEBOGEN



FULL LINER FOR PORT MATERIAL HANDLING MACHINES



38.5 – 460 t



up to 42 m

CONTENTS

OUR PORT MACHINES

Use our port solutions for efficient and precise work with the best overview.

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WATCH YOUTUBE



Follow us on YOUTUBE and watch the latest operational videos on our channel: **Port Material Handling**.

➔ www.sennebogen.com/portplaylist

The right machine for every use



01 MODULAR DESIGN VERSATILE SOLUTIONS

» „The maritime operations are certainly the most diverse and demanding applications in the off- and onshore sector. Thanks to the flexibility and decades of experience, SENNEBOGEN is always in a position to find individual solutions for our customers.“

ROBERT AUMÜLLER
Head of business unit Port



» „The port handling has already high importance and continues to grow, as is contributes significantly to the efficiency and sustainability of modern logistics processes. Our modular and energy-efficient handling machines are specially tailored to the requirements of ports and customers.“

DMYTRO VAYSER
Product manager Port



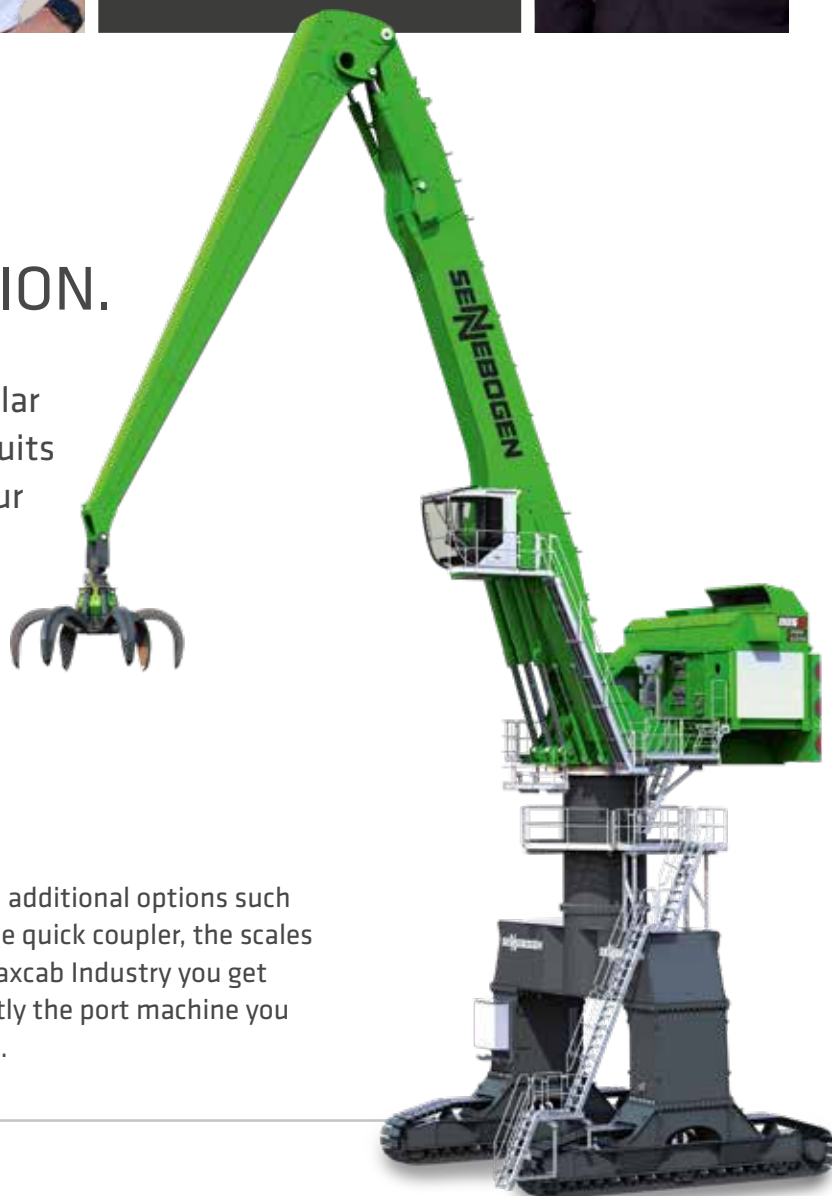
SPECIAL REQUIREMENTS? WE HAVE THE SOLUTION.

With the proven SENNEBOGEN modular system we realise the machine that suits you best - perfectly customised to your application.

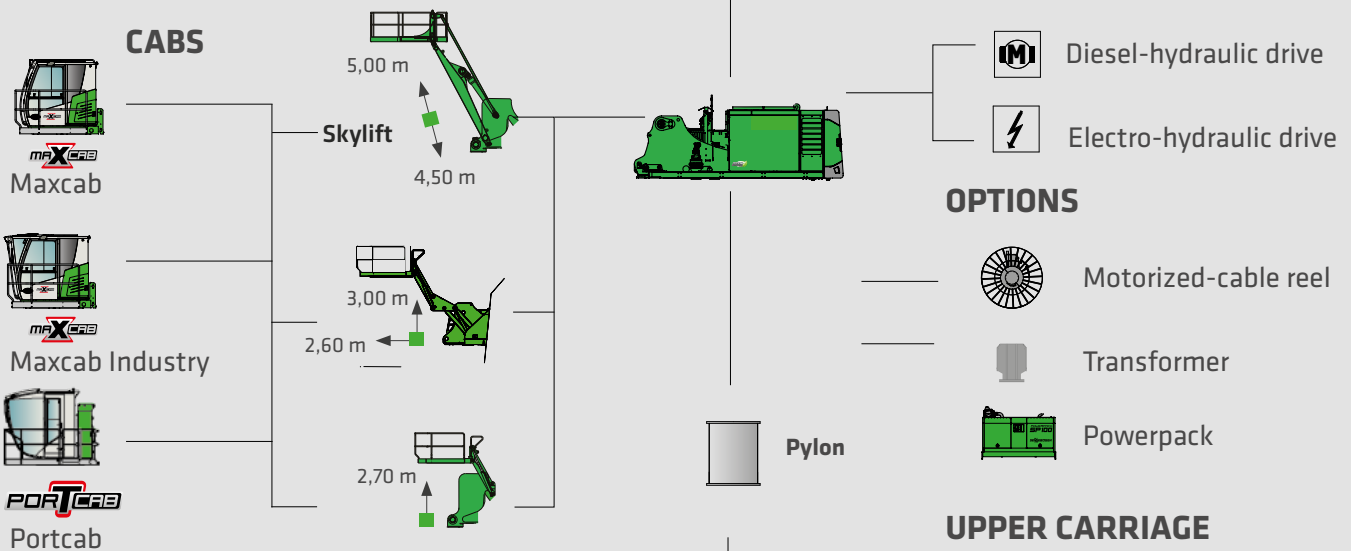
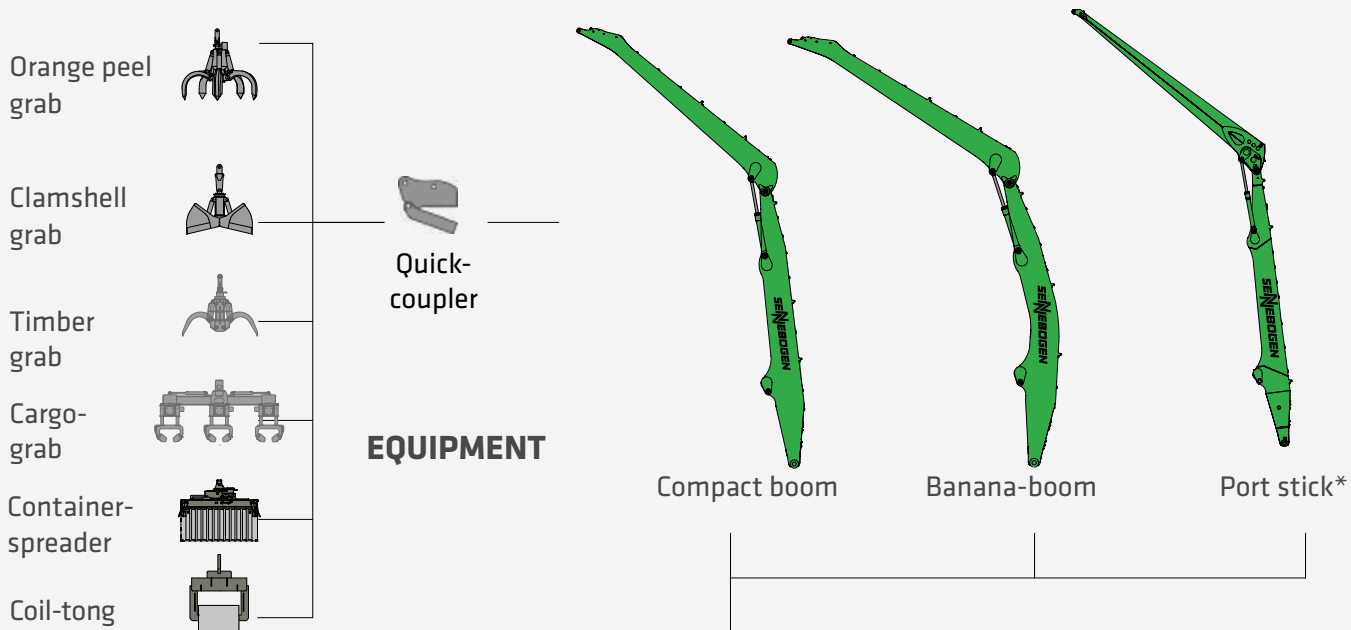
■ We have already equipped your basic machine to the required standards in the harbour area.

■ Depending on the desired field of application and required reach, you can choose between different types of equipment.

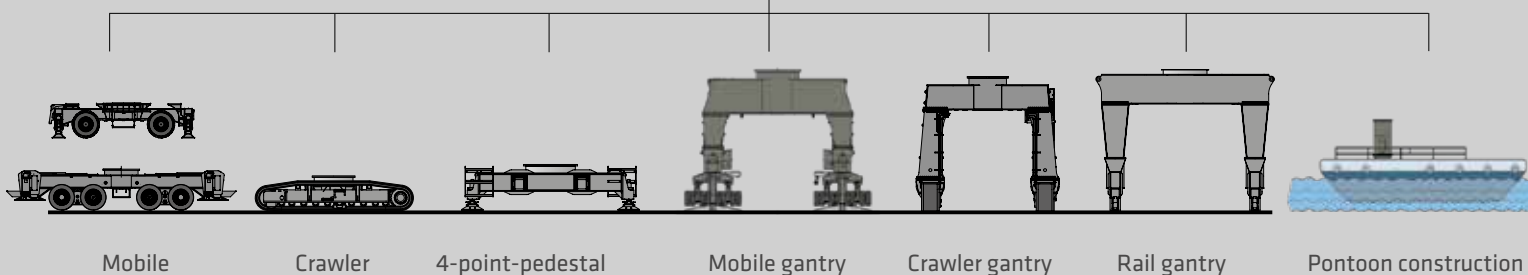
■ With additional options such as the quick coupler, the scales or Maxcab Industry you get exactly the port machine you need.



EQUIPMENT VARIATIONS



UNDER CARRIAGE



*increased load capacity

02 SPECIAL ATTACHMENTS FOR EVERY APPLICATION

Whether general cargo or bulk materials - **flexibility** is key in port operations. SENNEBOGEN offers the full range of material handling equipment. With a **quick coupler**, attachments can be changed in no time, allowing your machine to adapt quickly to new requirements. The system is **manufacturer-independent** and can be easily combined with existing attachments.

Spreader
for Bigbags



Timber grab



Spreader for
wooden pallets



Quick change
system with
lifting beam



Vacuum lifter





Pulp spreader

Spreader for
coil tong

Paper coil
grab

WITHOUT TIME CONSUMING RECONFIGURATION:

With the OIL-QUICK **quick-change system**, you can swap attachments without down-time, right from the cab.

Container Spreader

Magnet lifter

03 MORE SAFETY MAXIMUM COMFORT



Everything in view

The spacious cab with panoramic view gives you a practical overview of your work area. The window in the floor makes it possible to carry out precise loading operations even in close proximity. The safety cameras provide support and allow you to monitor the critical areas conveniently via the monitoring system in the cab.

Easy control

The intelligent SENCON control system gives you quick and easy feedback on the machine's condition. Thanks to the intuitive user interface, it has never been easier to monitor energy consumption and utilization, control the desired working modes and contribute towards reducing operating costs.

For your health

Operators spend many hours in their working position. The back-friendly comfort seat, adjustable armrests, joysticks that sit comfortably in the hand, and the optimally arranged controls make daily work as easy as possible.

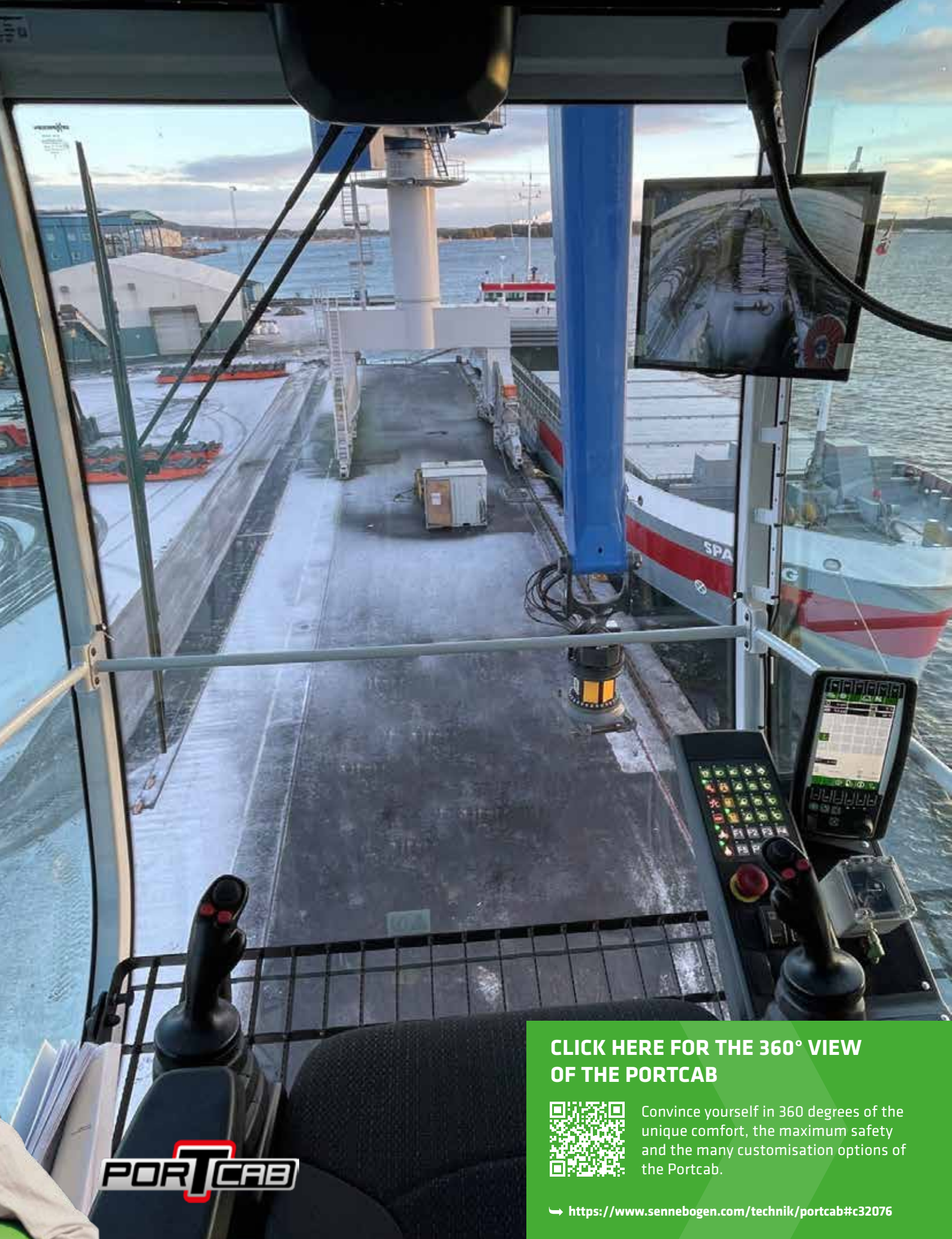
Pleasant indoor climate

Whether in warmer areas or in ports with sub-zero temperatures, you can enter a work space with a comfortable temperature on the essentials of work thanks to automatic heating and air conditioning.

„The development of the machine is based on user feedback in order to create the best operating experience.“

ALI GÜLYAZ,
Designer Material handling machines





PORTCAB

CLICK HERE FOR THE 360° VIEW OF THE PORTCAB



Convince yourself in 360 degrees of the unique comfort, the maximum safety and the many customisation options of the Portcab.

➔ <https://www.sennebogen.com/technik/portcab#c32076>

CAB HIGHLIGHTS



Maxcab

Maxcab Industry

IN SERIES



ENTRANCE	Sliding door incl. sliding window	Sliding door incl. sliding window
WINDSHIELD	Tinted safety glass	Undivided windshield made from bullet proof glass, rigidly glazed
SKYLIGHT	Sky light made from bullet proof glass	Sky light made from bullet proof glass
FLOOR WINDOW	-	-
WIPERS	Wipers for skylight	Wipers for skylight
	Wipers and washer system for front windshield	Wipers and washer system for front windshield
AIR CONDITIONER	Automatic heating/air conditioning with fresh air and recirculating air filter	Automatic heating/air conditioning with fresh air and recirculating air filter
FLOOD LIGHTS	Floodlights integrated into roof	Floodlights integrated into roof
FOLDAWAY SEAT	-	-
RADIO	✓	✓
SECON CONTROL AND DIAGNOSTIC SYSTEM	✓	✓
OPTIONS		
AIR-CONDITIONED SEAT	✓	✓
RADIO	✓	✓
COOLING BOX BEHIND THE OPERATORS SEAT	✓	✓
PROTECTIVE GRILLE ON SKYLIGHT AND WINDSHIELD	✓	✓
SUN PROTECTION PACKAGE	✓	✓



ALWAYS THE RIGHT VIEW

**The large capacity cab for the
best all-round view of the port**

IN SERIES



ENTRANCE	Easy access through wide cab door
OPERATOR' SEAT	Air suspended, with lumbar support, headrest and plenty ergonomic adjustments, heated
ARM AND FOOT RESTS	Easily adjustable, according to the user
WINDSHIELD	Generous windshield, tinted double glazing for safety windows
FLOOR WINDOW	Large safety glass floor window for best visibility into the hul
WIPERS	Parallelogram wipers for harsh weather conditions on the windshield
	Wipers for skylight
AIR CONDITIONER	Automatic heating/air conditioning with fresh air and recirculating air filter
LARGE 10,2' MONITOR	Camera-supported monitoring of the danger area (rear, right)
FOLDAWAY SEAT	Additional trainer's seat with seat belt
RADIO	✓
SENCOR CONTROL AND DIAGNOSTIC SYSTEM	✓

OPTIONS

AIR-CONDITIONED SEAT	✓
RADIO	✓
COOLING BOX FOR FOOD AND DRINKS	✓
SPEAKER SYSTEM	✓
SUN PROTECTION PACKAGE	✓

Optional sun protection package:

Prevents impaired visibility and overheating caused by intense sunlight.





The machine control of the future.

The modern SENcon control system offers comprehensive comfort for operators, fleet managers and service personnel.

Assistance systems increase work safety, make work processes more efficient and remote diagnostics quick and easy. Through the analysis of machine data, you can optimize the operation and reduce the CO₂ footprint of the machine.

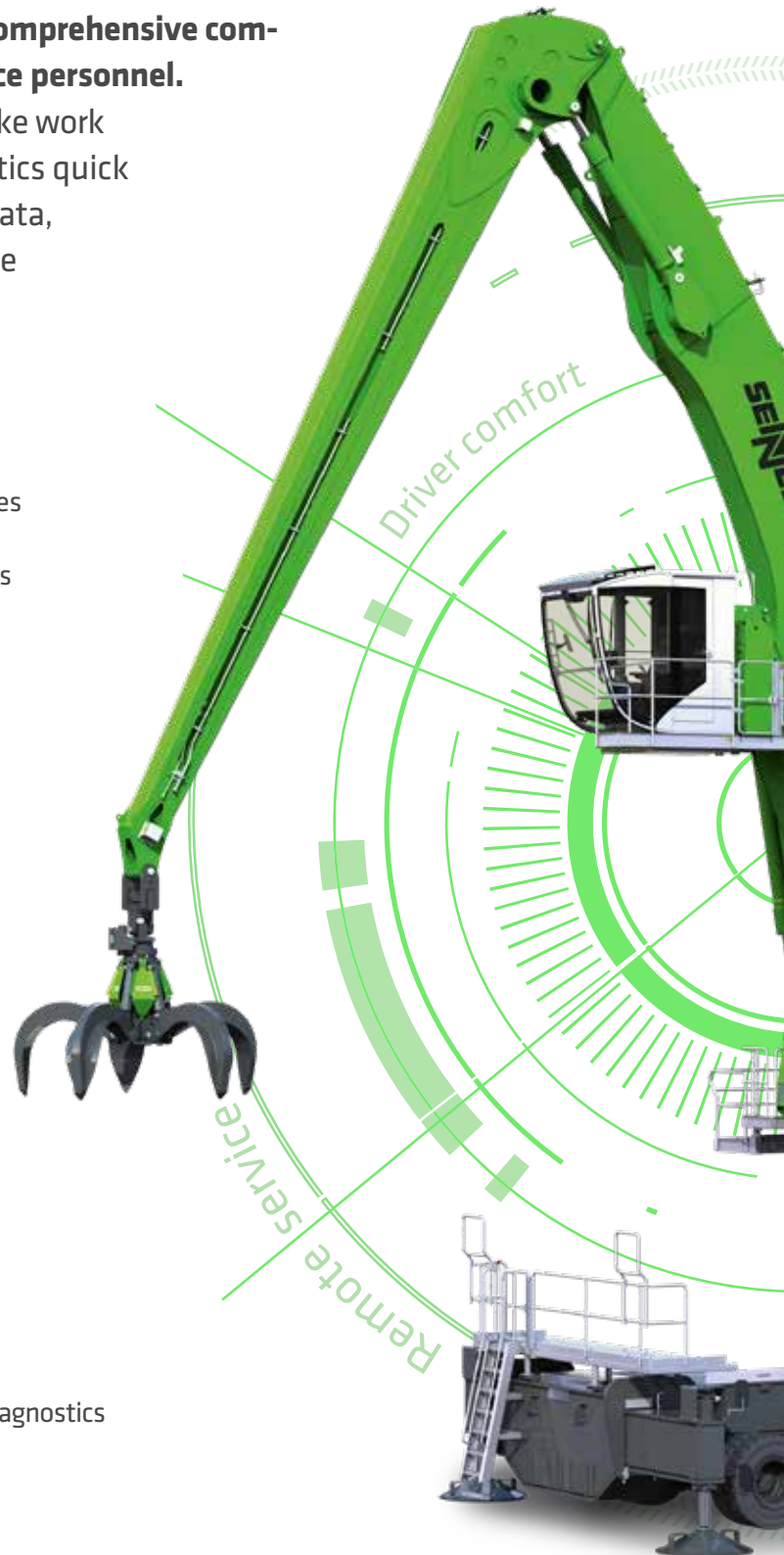
1. Driver comfort of tomorrow thanks to modern assistance systems

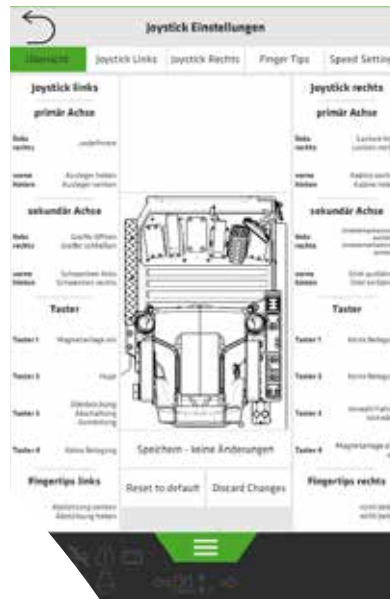
- /// Quickly setup & access to comprehensive driver profiles
- /// Integrated safety systems (e.g. work area limitation)
- /// Safe machine movements thanks to semi-autonomous movements
- /// Preparation for remote control and fully automated operation movements



2. Effective remote service reduces costs and saves time

- /// Extract and analyze machine data from any location
- /// State-of-the-art diagnostic tool for effective remote diagnostics
- /// Guarantee of the best possible machine availability and operating safety

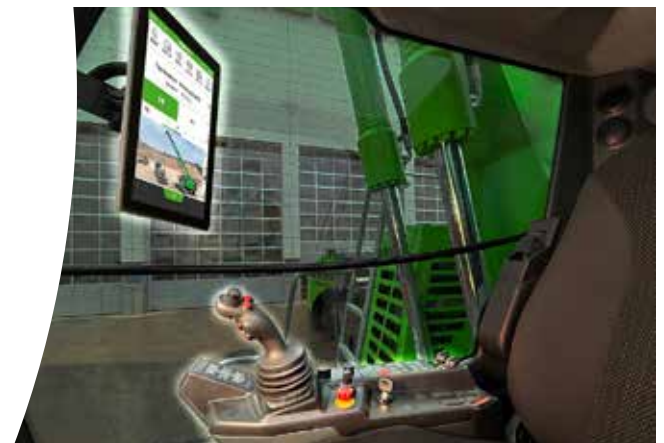




Quick access to all important functions via the large 10-inch touch display

3. Always up to date: Software updates over-the-air (SOTA)

- /// Efficient installation of new functions of the machine control system remotely without physical intervention in the machine
- /// Continuous work with the latest technology
- /// The machine remains maximally available and flexible in use



4. Intelligent analysis of machine data

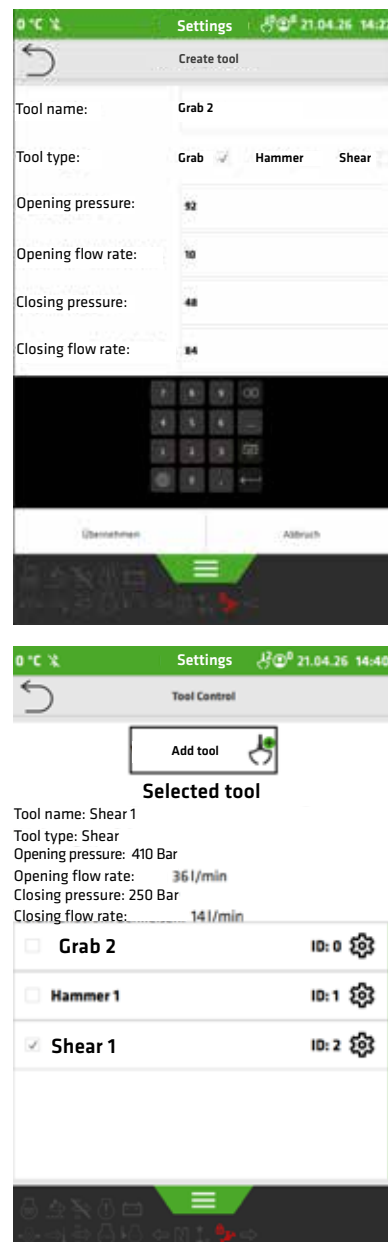
- /// In combination with the telematic system SENtrack the machine data from SENcon becomes valuable information about work processes and the condition of the machine
- /// Functions such as the excavator scale ensure view of the current achieved handling performance
- /// Optimization of machines in use: simple and effective

04 SPECIAL ATTACHMENTS WITH TOOL CONTROL

Our port material handlers set new standards in the use of different grabs and attachments. With the **innovative Tool Control Technology**, the hydraulic flow and hydraulic pressure are automatically adjusted to the selected tool - simply by making a selection in the cab.

OPTIMAL PERFORMANCE FOR EVERY TOOL:

- Individually programmable:**
 Tool Control saves specific parameters such as oil quantities and pressure for up to 10 attachments
- Maximum efficiency and safety:**
 Each tool is individually configured
- Compatibility with quick-change systems:**
 For even more flexibility and easy change between tools
- Your advantage:**
 Perfectly harmonised hydraulic settings guarantee maximum performance, safety and efficiency in every application. Place your trust in our expertise - your solution for demanding handling tasks



05 MAINTENANCE AND SERVICE



KEEP IT SIMPLE. MANAGEABLE TECHNOLOGY

All maintenance and service points are clearly arranged and easily accessible. **The SENCON control system** supports you with diagnostics. So your machine is back in action more quickly.



Reliable and
practical technology



Stay independent, you can take
care of your machine on your own



The central electrical distribution
and electronic modules simplify
maintenance

06 SAFETY DEVICES IN FOCUS

Port handling involves **challenging conditions** such as tight spaces, poor visibility, a harsh climate and a high volume of different machines. SENNEBOGEN meets these challenges with **sophisticated safety solutions** that make heavy cargo handling efficient and safe at the same time. Each solution is designed to protect operators, ground staff and the entire working environment. In this way, we ensure that the **handling of cargo in the port is quick, safe and reliable.**



ASCENT WITH SAFETY CONCEPT

A well thought-out safety concept with acoustic warning signals, light and emergency stop switches, optional cameras and individual customization offers maximum protection.



LOAD MOMENT LIMITATION

The system monitors height, swing, and load limits in real time and automatically stops the machine to prevent damage.



Luis Technology GmbH

AI-BASED PERSON RECOGNITION

Cameras reliably detect people using artificial intelligence and provide multi-level warnings to prevent collisions.



CABLE REEL MONITORING

Automatic cable tension monitoring prevents slack and overtightening, reduces wear, and enhances operational safety.



RAIL CONTACT SWITCHES FOR DECLERATION

Defined switch points along the rail ensure speed reduction and automatic shutdown, safely limiting the machine's travel path.



COLLISION AVOIDANCE

The radar reliably detects obstacles within 20 meters, even in poor visibility conditions, reducing the risk of collisions.



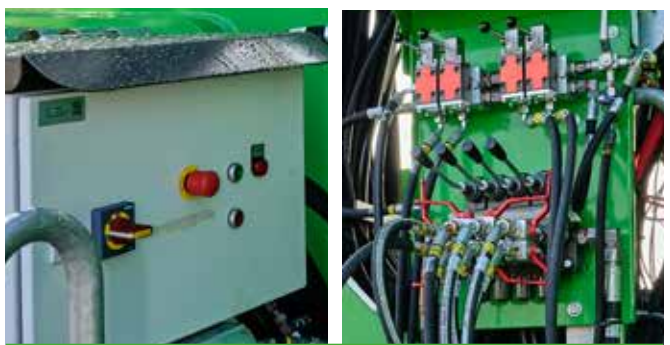
CAB LOWERING SYSTEM

Even in the event of a power or hydraulic failure, the cab can be safely lowered using the emergency release to ensure a secure exit.



RAIL CLAMP

The holding force of the rail clamp prevents unintended machine movement, ensuring safety during idle times and maintenance work.



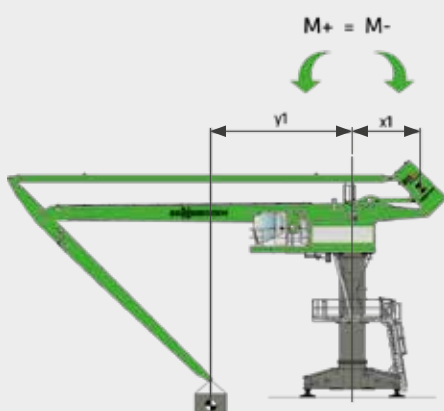
EMERGENCY LIFT UNIT

The emergency lift unit ensures reliable control of work equipment even in the event of engine or power failure, enabling safe positioning.

07 BALANCER KONZEPT

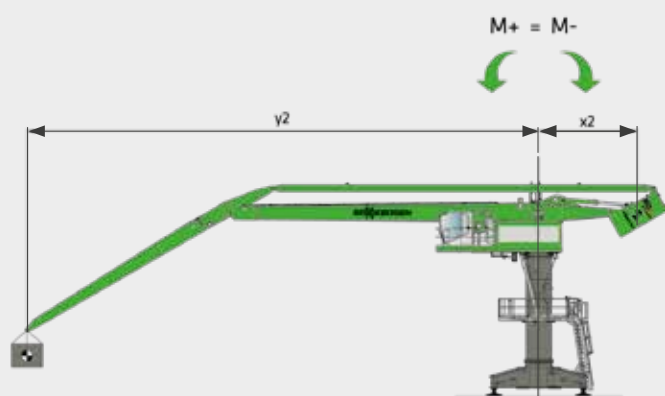
IN BALANCE

The center of gravity is always centered above the slewing ring



WORKING IN CLOSE RANGE

by shifting the counterweight forward



WORKING IN FAR RANGE

by shifting the counterweight backwards



SAVE UP TO 75 % ENERGY

- /// Emission-free thanks to electric motor
 - /// Intelligent weight distribution according to the lever principle
 - /// Smaller engine size and hydraulic components
 - /// Low operating costs due to low energy consumption
-

VERSATILE MACHINE CONCEPT

- /// An EQ Balancer carries out the tasks of several machines centrally on the spot: Sorting, loading and unloading, supplying and transport
 - /// Working radius of up to 42 m
 - /// Numerous undercarriage options
-

KEEP IT SIMPLE

- /// Low maintenance
 - /// Cheaper spare parts
 - /// Reduced installation effort
-

08 ELECTRIC SOLUTIONS WITH POWERPACK



EMERGENCY LIFT UNIT

- /// The emergency lifting unit ensures maximum safety: it enables reliable positioning of the work equipment in the event of a malfunction
- /// Functions: Control of the attachment, stick, boom, and slewing



POWERPACK SP100

- /// The Powerpack SP100 ensures the mobility of electric machines, even without a continuous power supply
- /// Mobility: Enables the movement of crawler or mobile material handling machines independently of an external power source
- /// Robust: Durable and maintenance-friendly design for demanding operating conditions



FULL-OPERATION POWERPACK

- /// The full-operation powerpack offers maximum flexibility and ensures the complete operation of the machine in various applications
- /// Independence: Enables use in areas without an external power supply - ideal for changing job sites in ports
- /// User-friendliness: Easy operation with seamless switching between diesel and electric drive from the cabin
- /// Efficiency: Optimized engine, drive, and exhaust systems provide high performance with minimal fuel consumption

09 THE MOST SOPHISTICATED **ENERGY RECOVERY TECHNOLOGY** ON THE MARKET



1 Boom lowers, gas compresses



2 Energy storage module consisting of hydraulic cylinder and nitrogen accumulator



3 The nearly constant force transmission throughout the cylinder cycle supports the next boom lift

**PROTECTS THE ENVIRONMENT,
SAVES ENERGY,
REDUCES YOUR COSTS.**

SENNEBOGEN
GreenHybrid

System advantages:

large system volume and constant force transmission over the entire cylinder cycle

System stability:

through constant pressure and temperature control

Functional safety:

Through the use of standard hydraulic components in the protected rear area of the machine

System can be optimally adjusted to the individual task, depending on the weight of the material being handle

Simple inspection and system filling via SENCON control system from the operator's seat

GREEN HYBRID ENERGY RECOVERY TECHNOLOGY



Energy recuperation through safe & smart design: watch the video to find out how the SENNEBOGEN Green Hybrid system makes port handling even more efficient.

→ <https://www.sennebogen.com/green-hybrid>

10 EFFICIENCY AND SUSTAINABILITY

Advanced. The **G**-Series.



Long service, high value retention

- /// Reliable and powerful thanks to its robust construction and high-quality components
- /// Temperature-controlled cooling system, designed and tested for heavy-duty applications and high ambient temperature

Easy to maintain and service

- /// Controllable technology and avoidance of over-engineering
- /// Ideal accessibility to all components for easy maintenance
- /// State-of-the-art engine, drive and exhaust systems according to the latest technology (Stage V)

Sophisticated, state-of-the-art technology

- /// Consistently designed for demanding material handling
- /// Increased efficiency thanks to G-Series hydraulics: optimized hose and pipe routing

Environmentally-friendly drive technology

- /// Cleaner air with 50% less nitrogen oxides and up to 90 % fewer soot particles

11 HVO: HYDROTREATED VEGETABLE OIL

HVO (Hydrotreated Vegetable Oil) is a synthetic fuel derived from renewable raw materials. SENNEBOGEN machines with diesel engines are already fully compatible with HVO- without any modifications. With this **innovative, climate-friendly fuel**, our machines not only help reduce emissions but also support business in meeting future regulations.

Choose sustainable solutions that combine performance and environmental responsibility.



YOUR BENEFITS

Lower greenhouse gas emissions:

HVO diesel is made from renewable raw materials and can reduce greenhouse gas emissions by up to 90 %

Improved air quality:

This synthetic diesel burns cleaner, reducing fine dust particles and enhancing air quality with lower local emissions

Future-proofing:

HVO support compliance with future regulations on greenhouse gas and pollutant reduction

Optimized engine performance and efficiency:

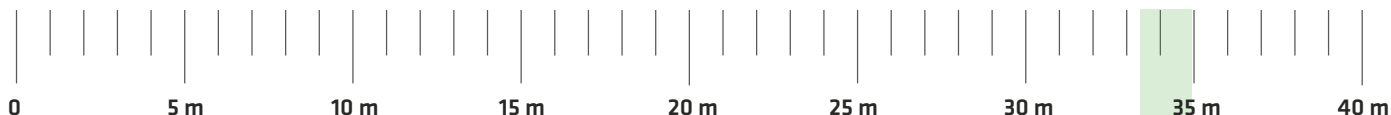
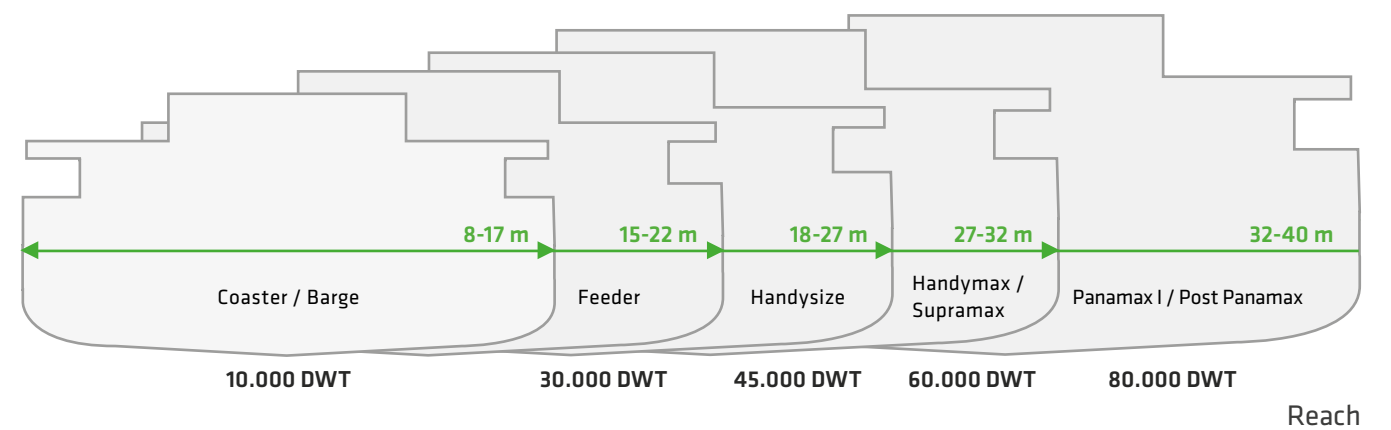
A higher cetane number ensures smoother engine operation, reduces wear, and improves cold-start capabilities

Compatibility:

All SENNEBOGEN machines with diesel engines are already designed for HVO*

* When using paraffinic fuels in Cummins X12 and X15 engine types, maintenance intervals need to be adjusted.

Product overview



Material handling machines

835 G

20 m

840 E

20 m

850 G

20 m

855 E

21 m

865 E

27 m

875 G

32 m

880 G

38 m

885 G

38 m

895 E

40 m

Mobile harbour crane

9300 E

41 m

Equilibrium handlers

EQ G

up to 42 m

Explanation

17 m

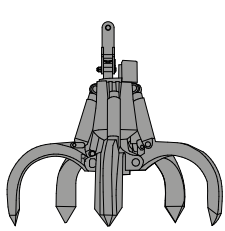
Machine reach in m

8-17 m

Inside width of type of vessel

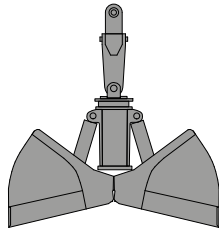
THE RIGHT MACHINE - FOR YOUR REQUIREMENTS

Handling capacities in tonnes per hour:



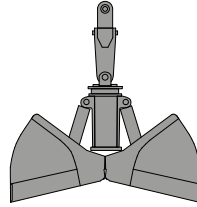
scrap metal

1.0 t/m³



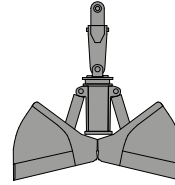
light bulk material

0.8 t/m³



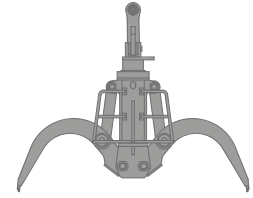
medium bulk material

1.6 t/m³



heavy bulk material

2.4 t/m³



timber

3 m trunk length

240-320

300-380

340-500

320-430

320

240-320

300-390

340-520

320-430

340

380-480

380-520

420-580

480-660

420

420-540

400-550

510-680

650-850

455

500-650

420-550

550-700

670-850

470

520-680

440-560

580-720

700-850

480

650-850

580-720

780-1050

850-1200

540

650-850

700-850

850-1100

900-1250

580

700-900

800-900

900-1200

960-1440

600

750-1000

1000-1250

1000-1500

1200-1800

650

750-1000

1000-1250

1000-1500

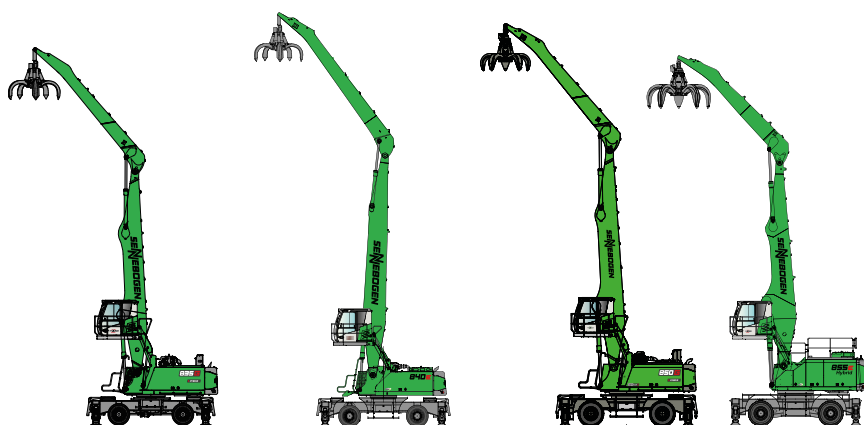
1200-1800

on request

220-280

The shown lift capacities are orientation values that can be reached with grabs which are optimized for the machine. Actual lift capacities depend on the individual loading and unloading situation at the harbour and result from different parameters (for example lift height, swing angle, form of ship, grab filling degree, grab).

FOR EVERY PORT APPLICATION THE RIGHT SOLUTION



	835G	840E	850G	855E
 Operating weight	47 t	53 t	65 t	77 t
 Max. reach	20 m	20 m	21 m	21 m
 Power output diesel drive	210 kW	231 kW	231 kW	231 kW
 Power output electric drive	160 kW	200 kW	200 kW	200 kW
 Green Hybrid	✓	✓	✓	
 Standard cab				



865E	870E	875G	880G	885G	895E
90 t	120 t	165 t	280 t	320 t	460 t
25 m	27 m	32 m	38 m	38 m	40 m
261 kW	261 kW	391 kW	500 kW	597 kW	585 kW
250 kW	250 kW	390 kW	460 kW	500 kW	500 kW
✓	✓	✓	✓	✓	✓
MAXCAB	MAXCAB	MAXCAB	PORTCAB	PORTCAB	PORTCAB

BALANCER EQ G-SERIES

For demanding material handling in the port. The SENNEBOGEN EQ G Balancer material handler takes on tasks centrally at the site with a maximum reach of up to 42 m - whether with orange peel grab, timber grab or clamshell grab. With the robust balancer of the latest SENNEBOGEN G machine generation, you save up to 75 % energy and work emission-free thanks to the electric engine.



Operating weight

up to 370 t



Max. reach

27 m / 30 m / 32 m / 36 m / 40 m / 42 m



Diesel drive

–

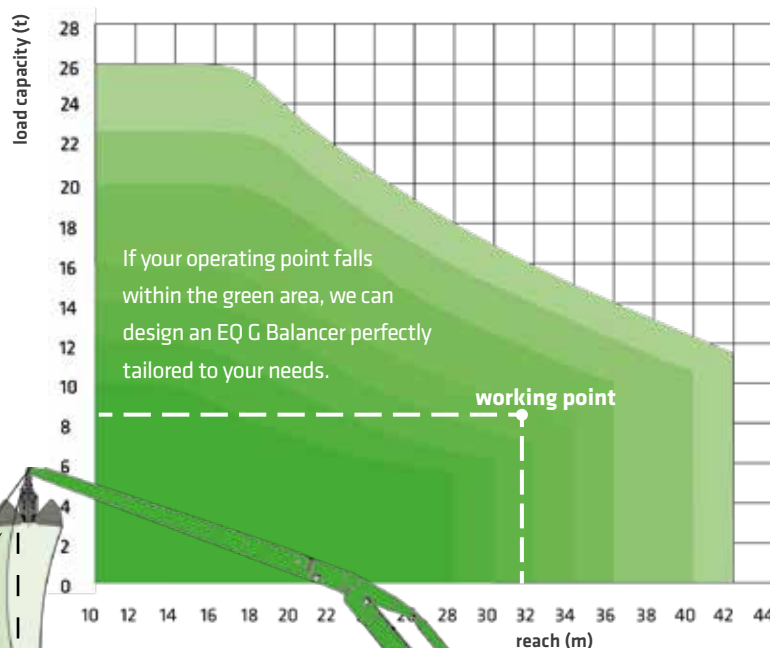


Electric drive

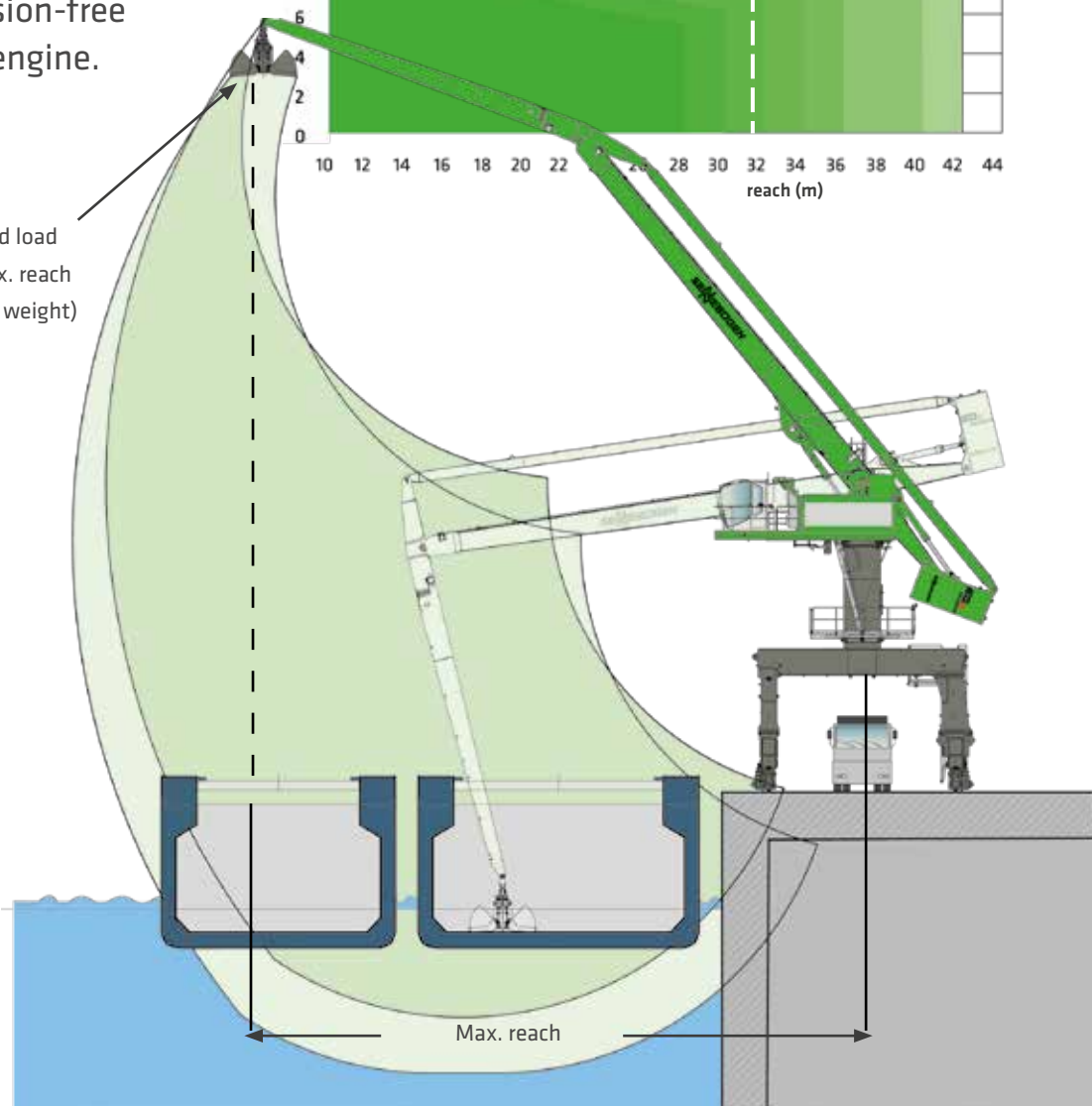
160 kW / 200 kW / 250 kW / 315 kW



Cab



Define intended load capacity at max. reach (including grab weight)



HABOUR MOBILE CRANE

With a load capacity of 100 t at a reach of 17 m, the SENNEBOGEN 9300 can be used for all ship sizes. The port crane loads and unloads ships up to Post-Panamax class. Thanks to its unique Skylift cab adjustment it provides a comfortable and safe access to the optimal working position. The mobile undercarriage with all-wheel steering and 14 wheel sets ensures it is maneuverable and has low ground pressure.



Operating weight

290 t



Max. reach

41 m



Diesel drive

585 kW



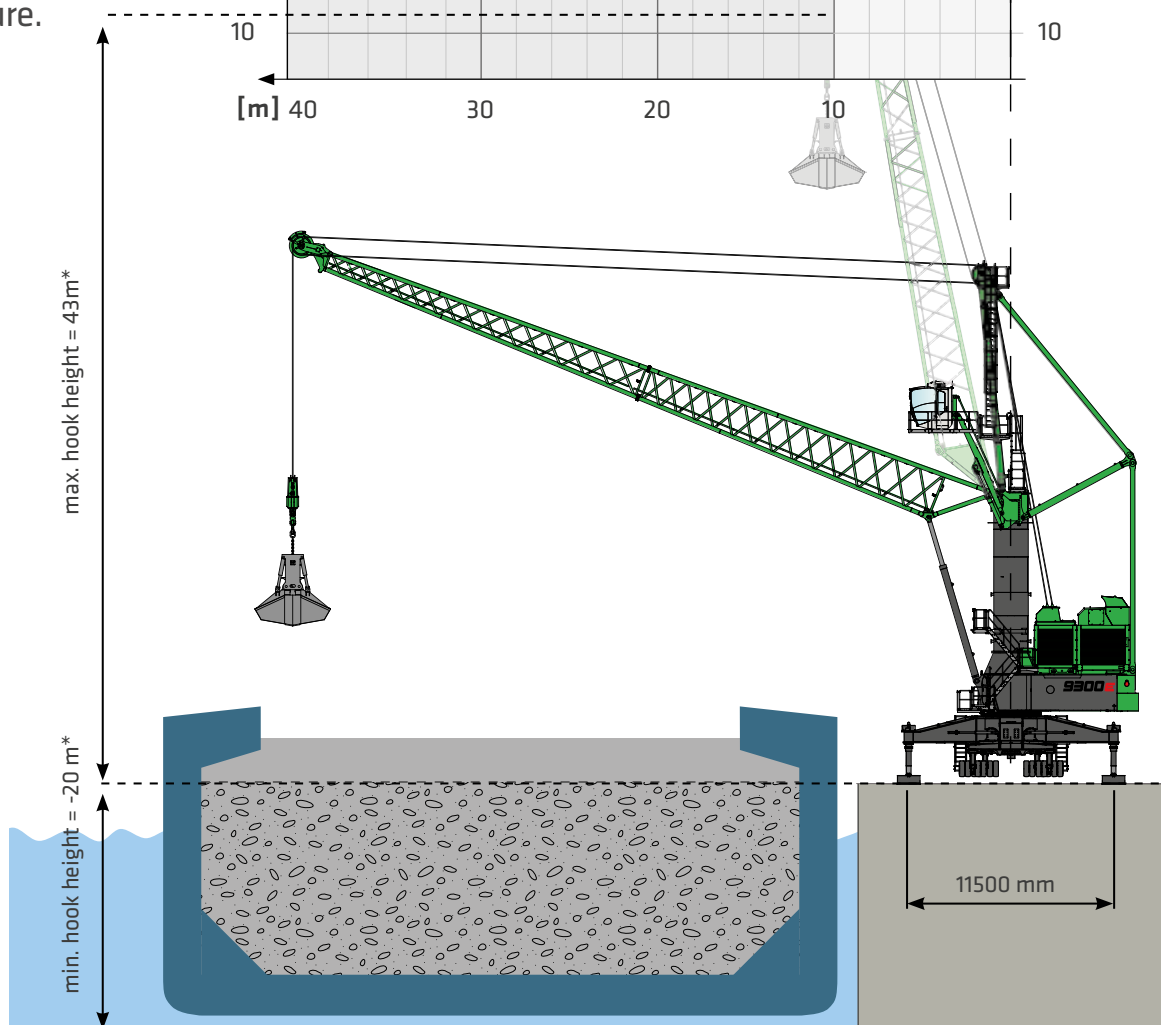
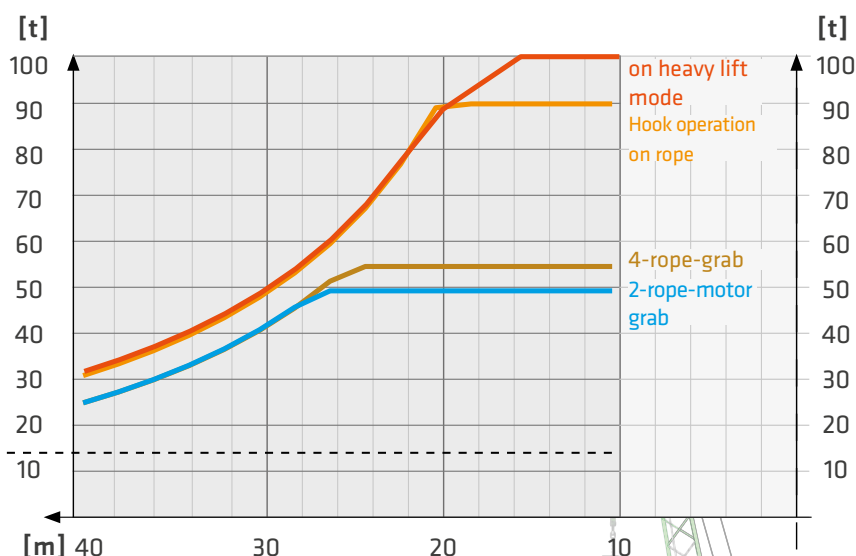
Electric drive

615 kW



Cab

PORTCRAB



* depends on grab size

OTHER SOLUTIONS FOR THE PORT APPLICATION

TELEHANDLER



340 G

360 G

	Operating weight
	Max. lifting height
	Engine
	Max. load capacity
	Standard cab

9.4 t	12.5 t
7.7 m	8.5 m
100 kW	123 kW
4 t	6 t
MULTI CAB	MULTI CAB

DUTY CYCLE CRANE



6100

6140

6220

6300

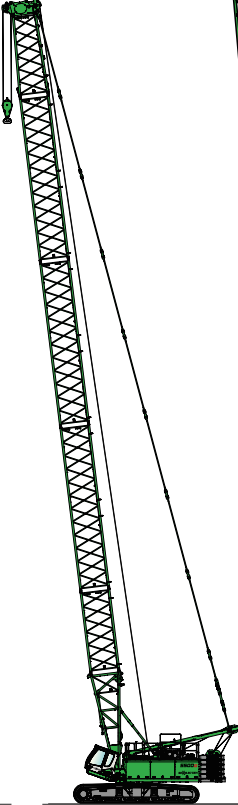
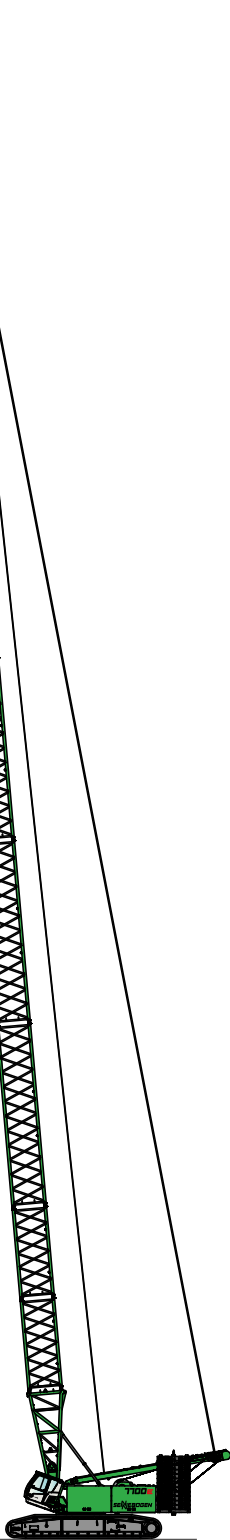
	Operating weight
	Max. main boom length
	Engine
	Standard cab

100 t	140 t	220 t	300 t
63.5 m	63.5 m	74.4 m	80.3 m
451 kW	563/708 kW	563/708 kW	570/708/804 kW
MAX CAB	MAX CAB	MAX CAB	MAX CAB

Dredging

CRAWLER CRANE

TELESCOPIC CRANE

					
643	653	683	6113	5500	7700
40 t	50 t	80 t	120 t	180/200 t	300 t
23 m	30.4 m	42 + 15 m	40 m	104.6 m	154 m
129 kW	129 kW	186 kW	186 kW	261 kW	321 kW
					
Pick & Carry				Offshore	

INLAND PORT



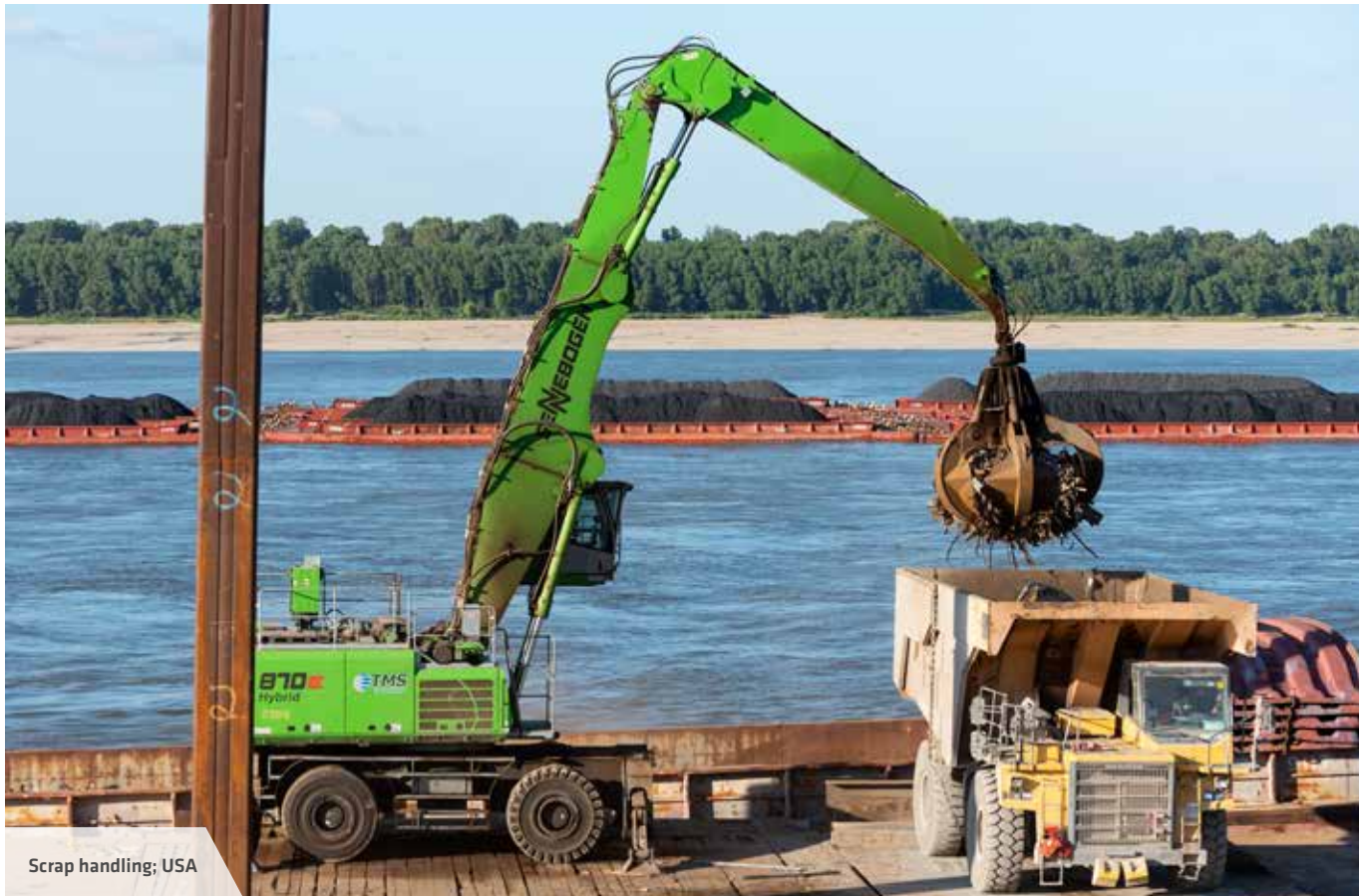
- /// High handling performance with low operating costs
- /// Maximum flexibility of attachments through quick-change systems

In inland ports, efficiency and versatility are key priorities. SENNEBOGEN port machines are specifically designed for changing requirements and impress with their high handling performance while keeping operating costs low. Thanks to individual customization and compact design, they offer maximum functionality even in limited space.





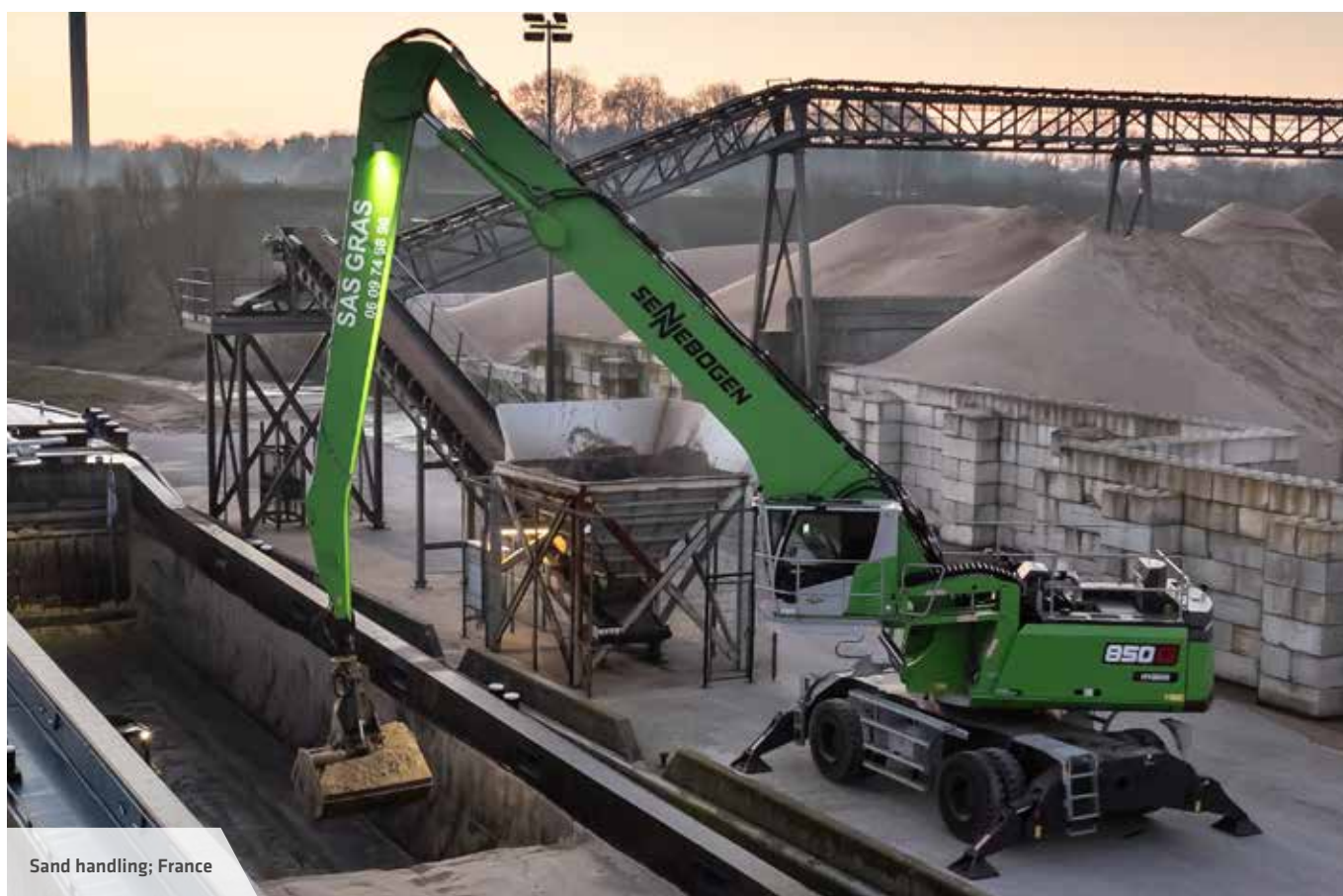
Gravel handling; Germany



Scrap handling; USA

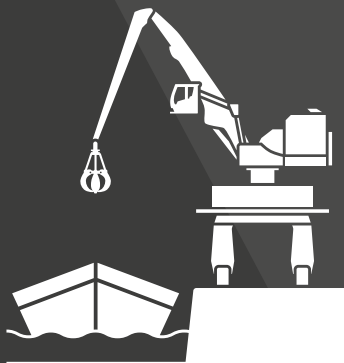


Coilhandling; USA



Sand handling; France

SEA PORT



- /// High handling performance with a reach of up to 42 meters
- /// Robust construction for durability

Seaports, as hubs of global trade, require high-performance machines for material handling. As a full-line provider, SENNEBOGEN offers a comprehensive range of solutions that impress with a reach of up to 42 meters and innovative efficiency. Robust constructions ensure durability, even under the toughest conditions.



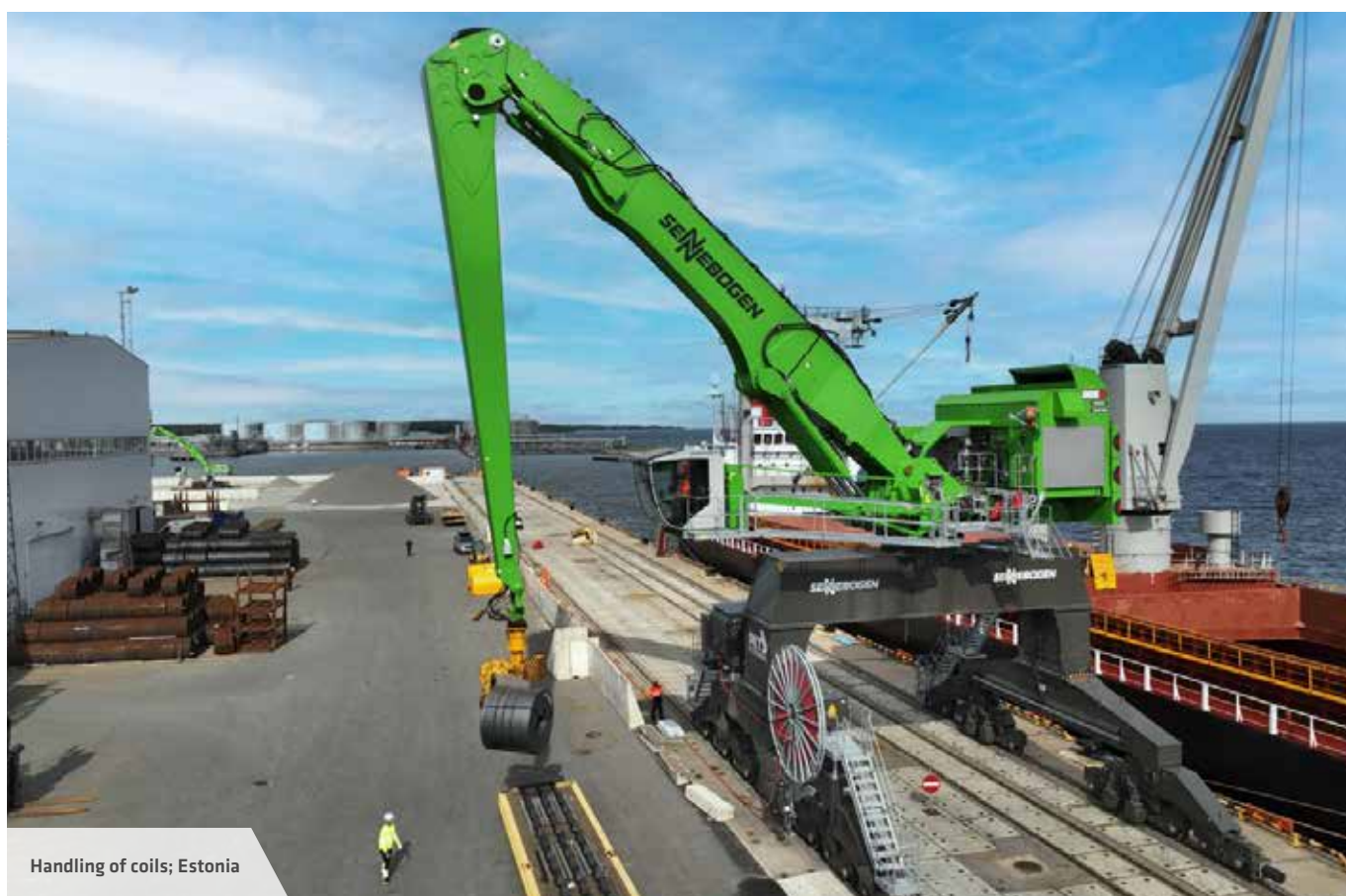
Bale handling; UK



Scrap handling; Türkiye



Container handling; Norway



Handling of coils; Estonia



Grain handling; Estonia



Coal handling; Türkiye



Scrap handling; Türkiye



Sand handling; Sweden



Scrap metal handling; USA



Handling of wooden pallets; Finland

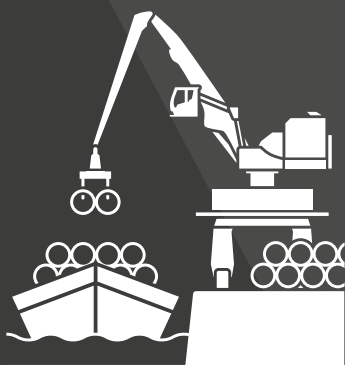


Zinc handling; Finland



Bulk handling; Italy

INDUSTRIAL APPLICATION



- /// Precise handling and versatile applications
- /// Highest safety standards

Whether in recycling, wood handling, or specific applications such as coil or big bag handling, SENNEBOGEN machines offer versatile solutions for industrial requirements. With their high load capacity, precise handling, and outstanding reliability, they guarantee efficient and safe operation.



Scrap metal recycling; Germany



Cement production; Netherlands



Zinc production; Norway



Timber handling; Germany

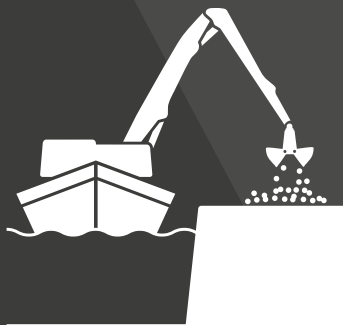


Timber handling; Sweden



Gypsum handling; USA

ONBOARD-LOADER



- ✓ Optimal integration into ship structures
- ✓ Safe material handling under all conditions

SENNEBOGEN machines for onboard-loader ships are optimized for seamless material handling. Their modular design allows perfect integration into the ship's structure, ensuring efficient and safe operation under all conditions.



Self-sufficient handling; Norway



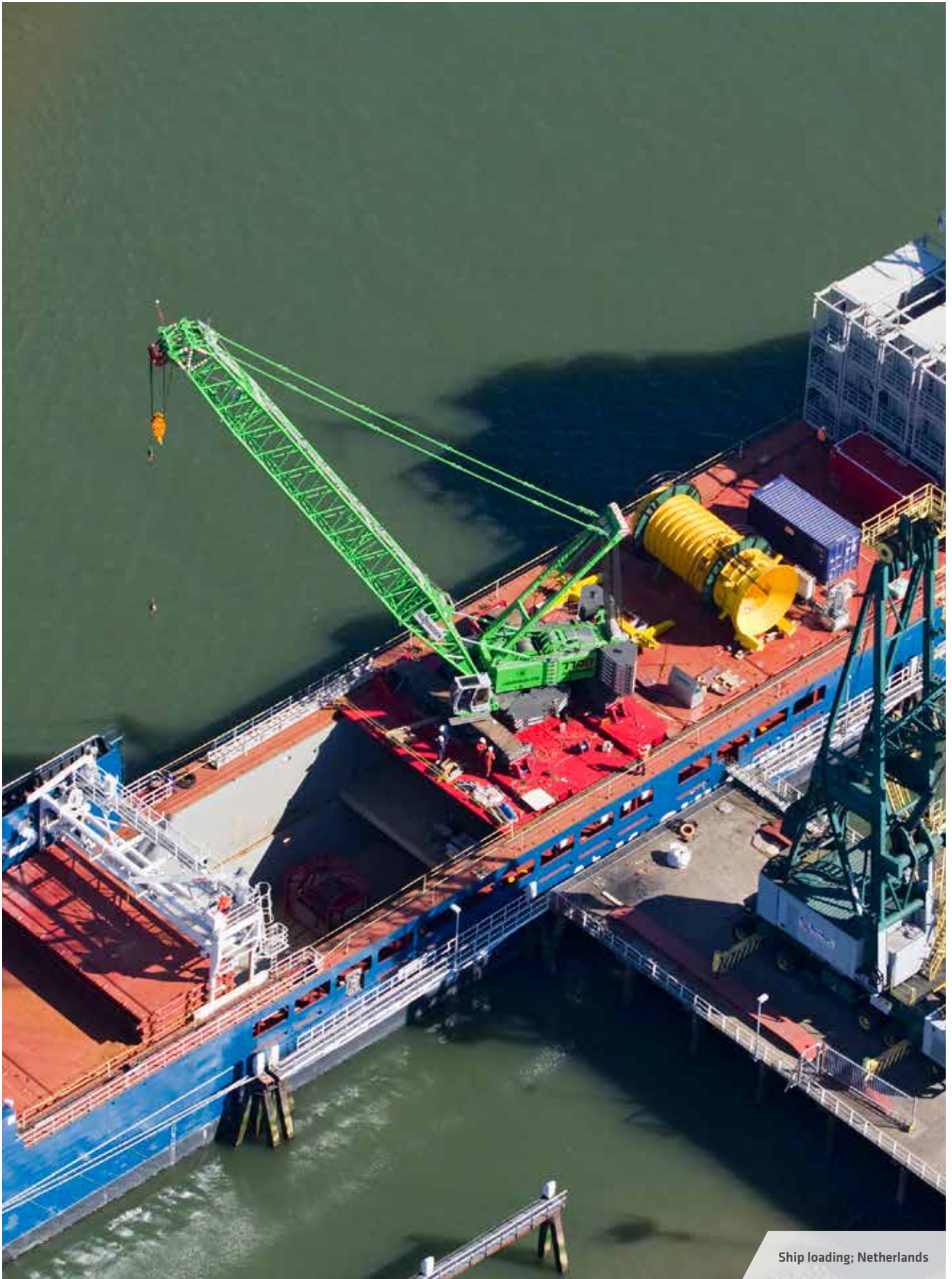
Ship-to-ship-transfer; Belgium



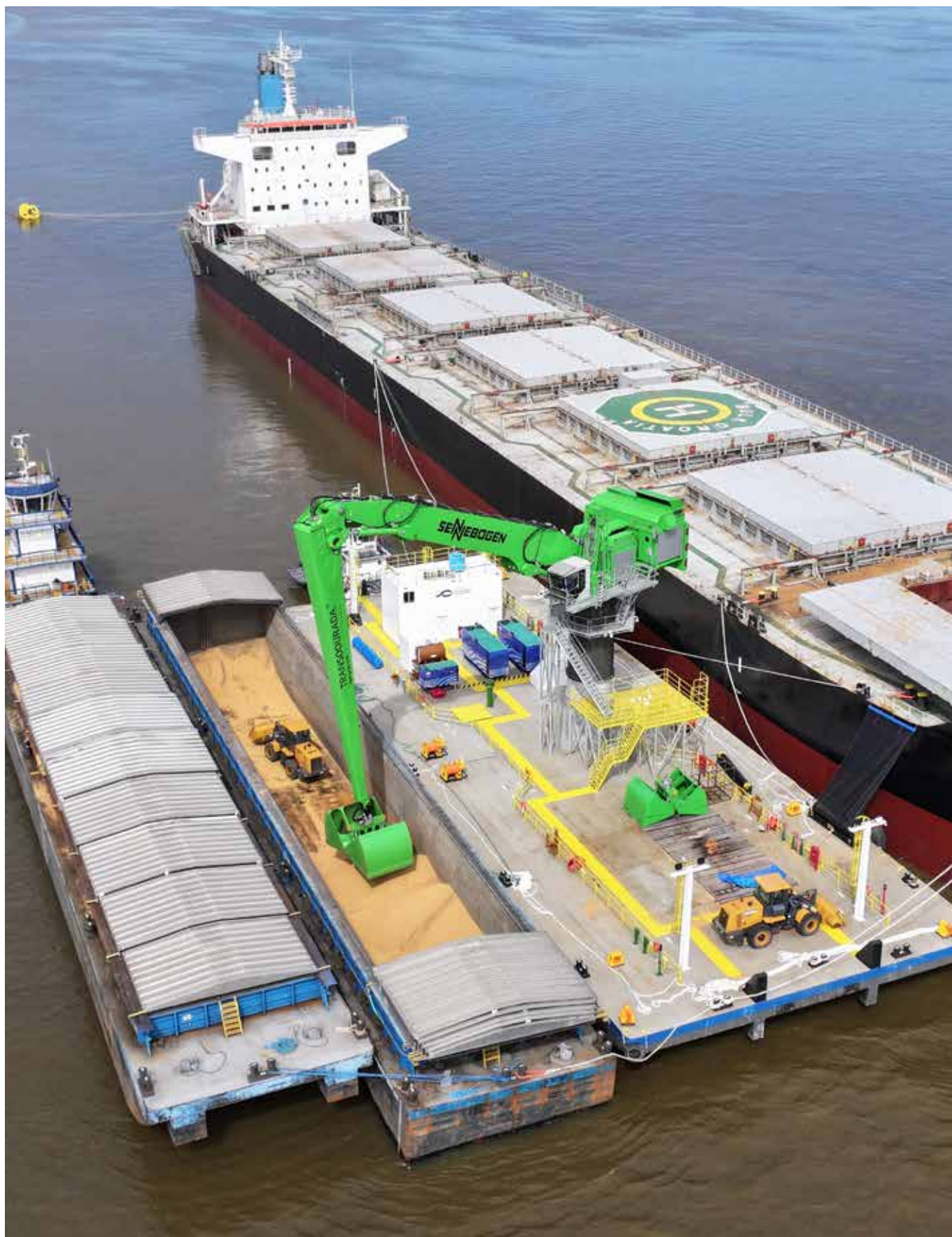
Self-sufficient handling; Norway



Self-sufficient handling; Norway



Ship loading; Netherlands



Ship-to-ship-transfer; Brazil



Ship-to-ship-transfer; Brazil

MARITIME ENGINEERING



- /// High reach for a variety of on- and offshore projects
- /// Corrosion-resistant coatings ensure maximum service life



For demanding maritime projects in both onshore and offshore environments, SENNEBOGEN offers customizable machine concepts tailored to specific construction and maintenance requirements. The modular design combines efficiency and flexibility—perfect for use in a wide range of maritime scenarios.



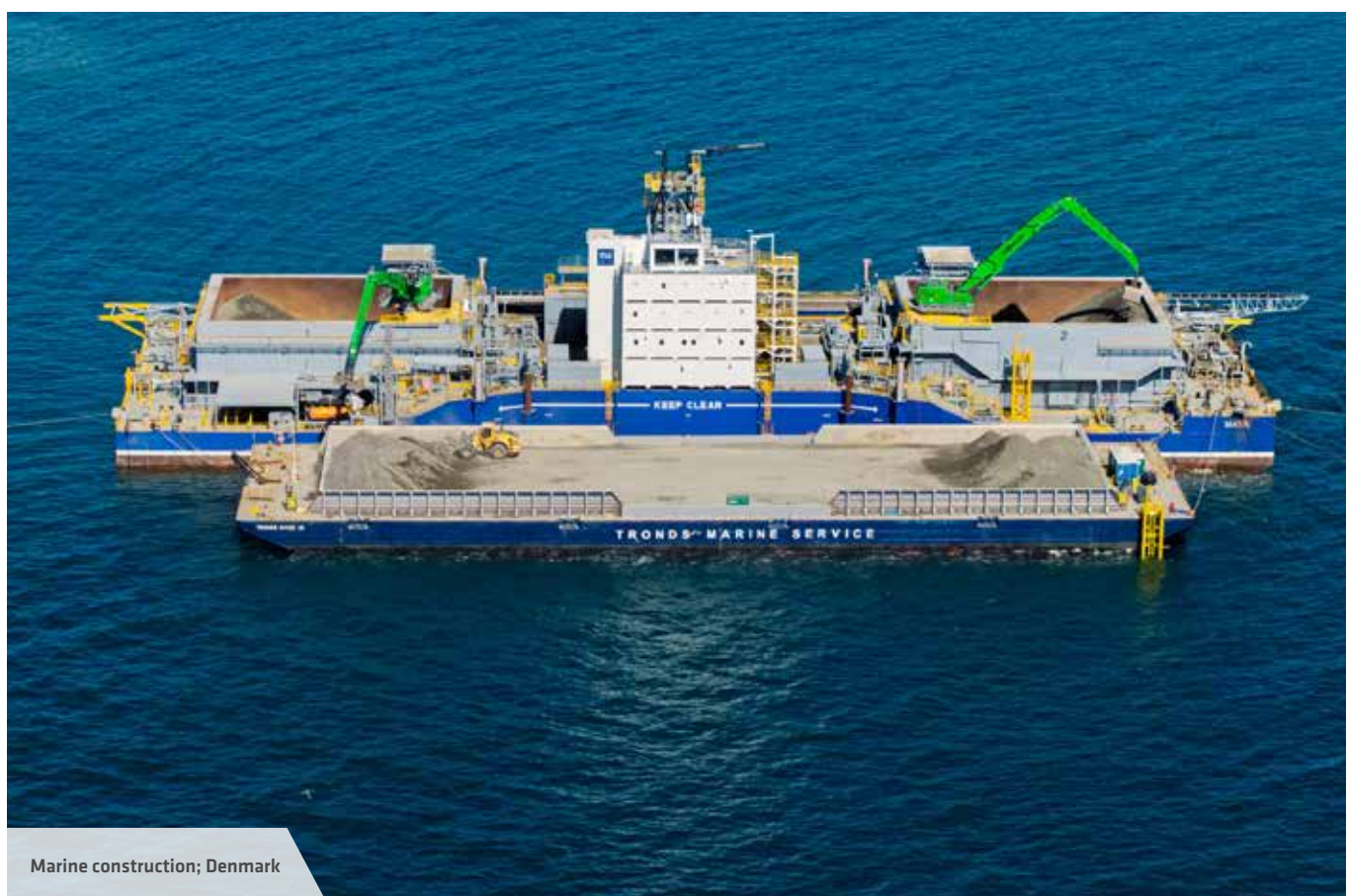
River construction; France



Coastal stabilization; Qatar



River construction; France



Marine construction; Denmark

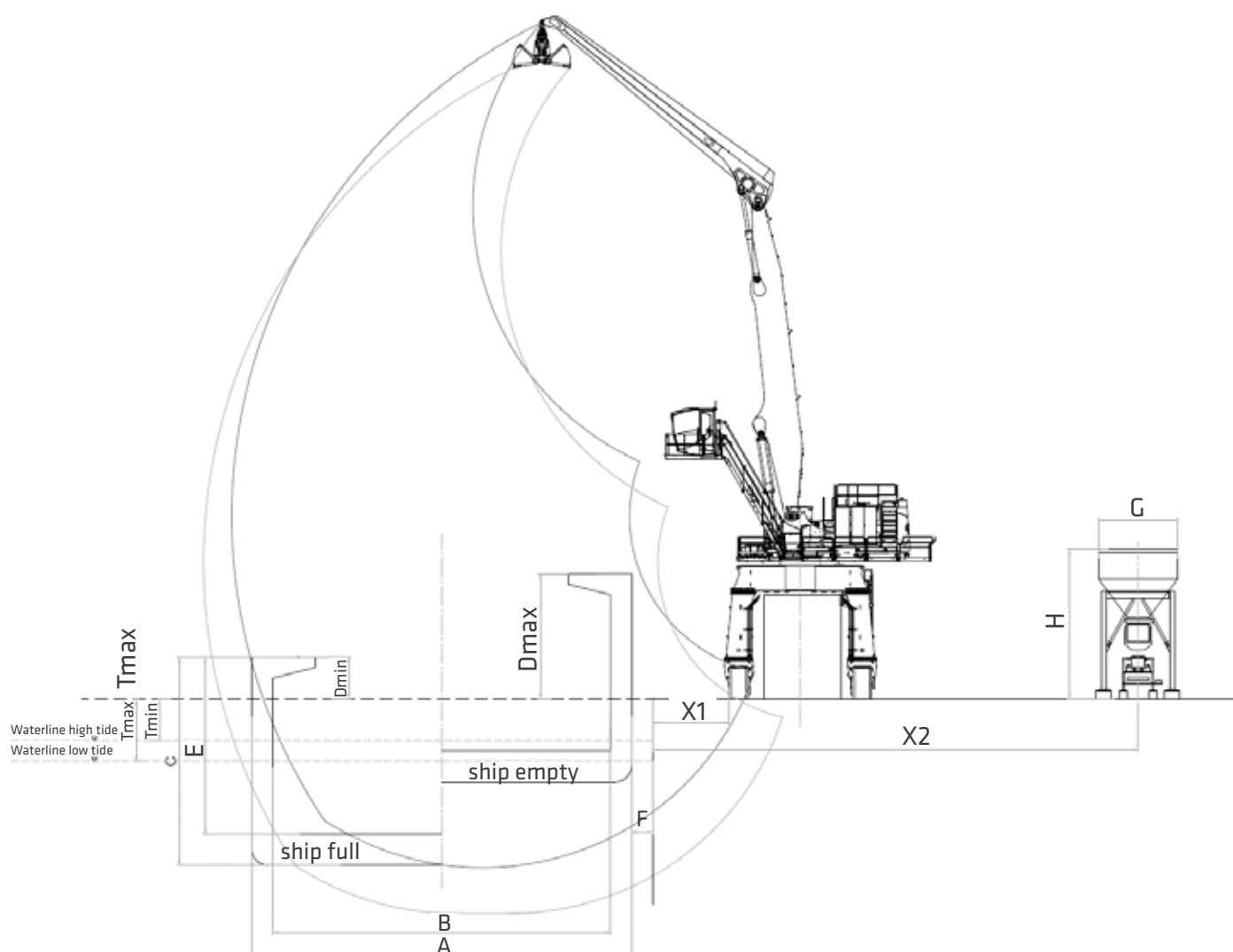


Construction of a port facility; Réunion

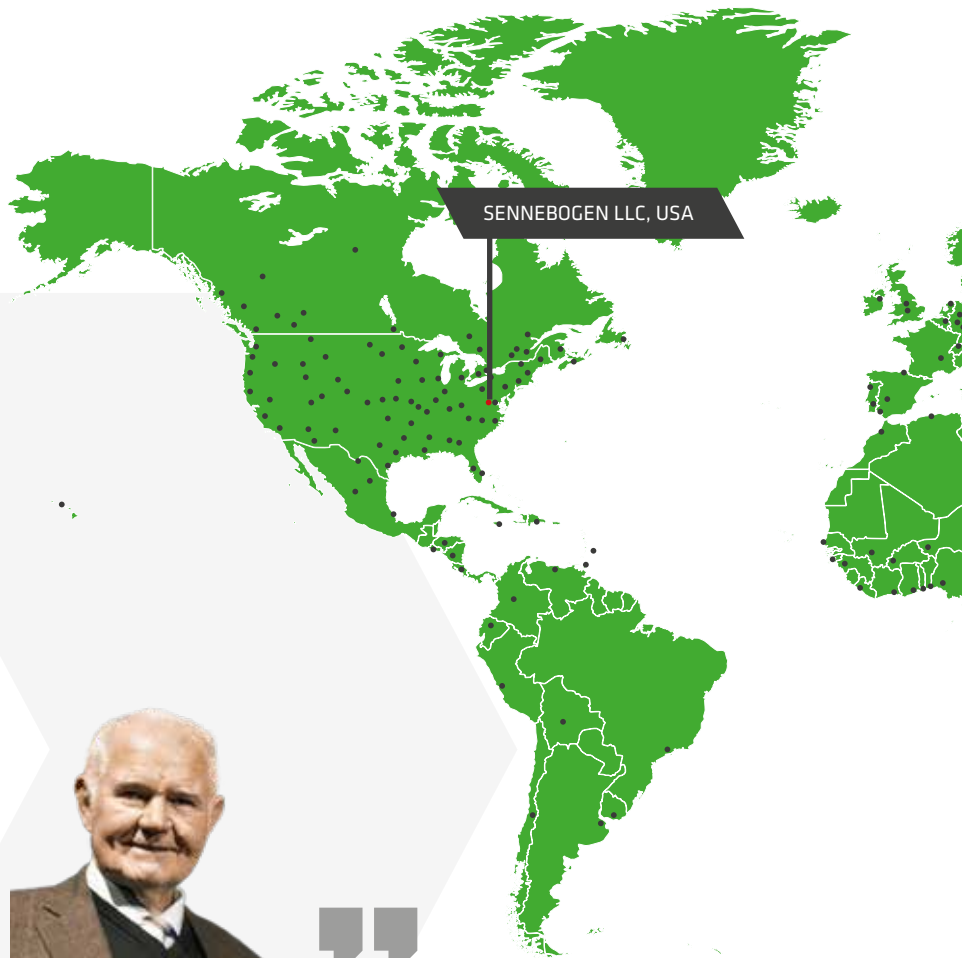


PROJECT PLANNER

<i>A</i>	ship width outside		<i>m</i>	<i>T min</i>	high tide		<i>m</i>
<i>B</i>	ship width inside		<i>m</i>	<i>T max</i>	low tide		<i>m</i>
<i>C</i>	ship's side height		<i>m</i>	<i>x1</i>	distance between quay & machine		<i>m</i>
<i>E</i>	cargo hold height		<i>m</i>	<i>x2</i>	distance between quay & hopper etc.		<i>m</i>
<i>D min</i>	ship, full		<i>m</i>	<i>H</i>	height truck, hopper etc.		<i>m</i>
<i>D max</i>	ship, empty		<i>m</i>	<i>G</i>	width truck, hopper etc.		<i>m</i>
<i>F</i>	distance between ship & quay		<i>m</i>	α	pivoting angle		<i>m</i>

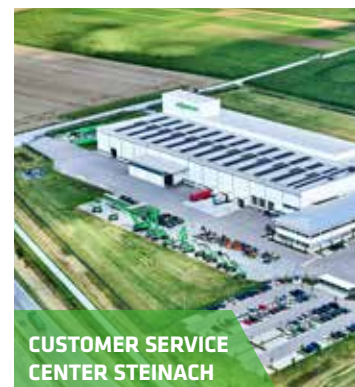


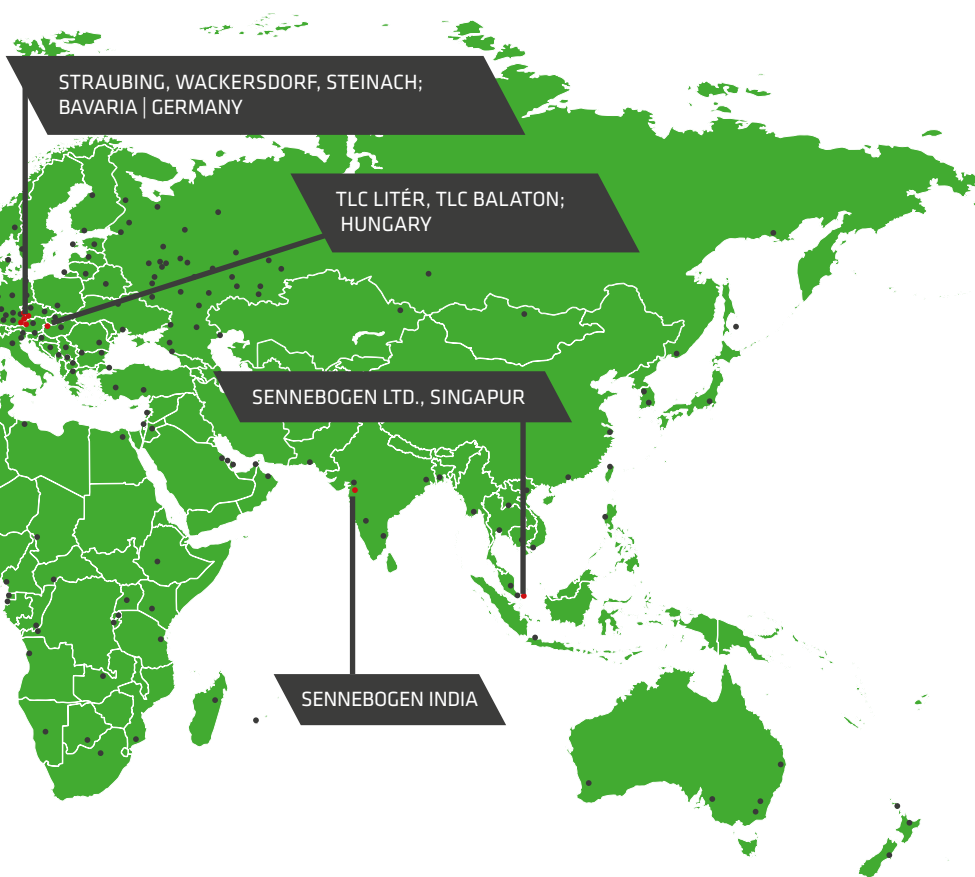
WORLDWIDE CUSTOMER FOCUS



“
If you don't change anything,
you will not improve anything.”

Erich Sennebogen, 1931 – 2011
Founder





- Locations and branches
- Sales and service partners



REPRESENTED WORLDWIDE
WITH OUR LOCATIONS AND
SALES PARTNERS.



WE VALUE EXCELLENT SERVICE

Even after purchasing a SENNEBOGEN machine, we offer our customers comprehensive services – everything from a single source.

Further information
on our range of services
can be found here.



mySENNEBOGEN

Central portal to SENNEBOGEN's digital world

- /// **SENtrack**
Telematic system for intelligent fleet management
- /// **SENNEBOGEN TROUBLESHOOTER**
software solution for guided troubleshooting
- /// **SUPPORT TICKET SYSTEM**
Intuitive ticket system for direct contact with service personnel
- /// **FLEET MANAGEMENT**
Efficient monitoring of your machine fleet
- /// **REMOTE DIAGNOSTICS**
State-of-the-art remote diagnostics for the rapid retrieval and analysis of machine data

WE ENSURE MAXIMUM AVAILABILITY.

With the Customer Service Center, we bundle all service activities centrally at one location. A tailor-made service offering for our customers is important to us.

- /// **SERVICE KITS** – for easy and preventive maintenance
- /// **INSPECTIONS KITS** – service package for the first 2,000 operating hours
- /// **WARRANTY** – component warranty can be selected individually according to customer requirements
- /// **GENUINE PARTS** – Original spare parts for maximum performance, reduced downtime and long-lasting machine performance



The SENNEBOGEN Academy offers a wide range of training courses for operators of material handlers, telehandlers, cranes and duty cycle cranes – so that they can get the most out of their machines.

OUR SENNEBOGEN ACADEMY OFFERS:

- /// Operator training
- /// Driving licenses
- /// Technical training
- /// E-courses
- /// Simulator training





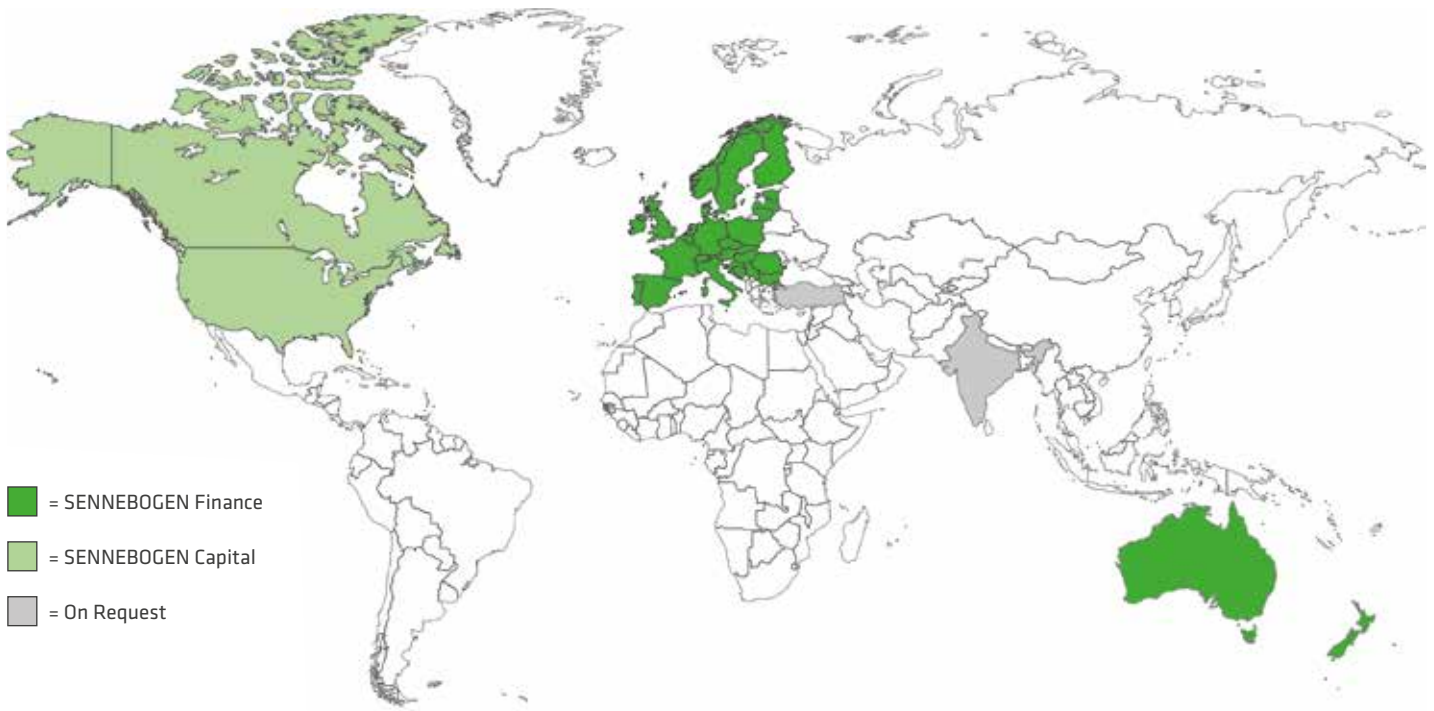
SMART FINANCING FOR YOUR MACHINE

Together with our experienced financing partners, SENNEBOGEN Finance* offers you customised financing models for material handlers, telescopic handlers and cranes. Whether hire purchase, leasing or dealer stock financing – we offer you a customised solution that meets your requirements.

» “Our focus is not only to offer our customers outstanding machines, but also the right financing to meet their requirements. To achieve this, we work with strong partners in the market. With SENNEBOGEN Finance, we create an all-round carefree package for dealers and customers alike.”

CHRISTIAN WICH & ANTON SENNEBOGEN
Account Manager CT&I DLL, Managing Director SENNEBOGEN





The SENNEBOGEN Finance / SENNEBOGEN Capital service will be available in more and more markets. **

YOUR BENEFITS:

01 CUSTOMISED FINANCING SOLUTIONS

Choose from various models the suitable financing for your investment, customised to your business requirements.

02 DIRECT PROCESSING WITH A STRONG PARTNER

Thanks to the cooperation with our experienced financing partners, you receive a quick and uncomplicated solution from a single source.

03 ATTRACTIVE CONDITIONS

Take advantage of our attractive financing offers with low interest rates and flexible options. You can find current conditions at www.sennebogen.com/finance

04 FLEXIBLE WITH A LOW DEPOSIT

Choose the term that best suits your needs – from short-term models to long-term options. You can also benefit from a low deposit to make it easier for you to get started.



The SENNEBOGEN Finance service will be available in more and more markets. Please contact your local dealer for your individual offer and information on the availability of machine financing in your country.

➔ www.sennebogen.com/dealer



SENtrack



FLEET MANAGEMENT FOR PROFESSIONALS

1. REDUCE SERVICE COSTS

Monitor the machine and its main operating parameters (temperatures, consumption). If key figures deviate significantly from the target value, the user is informed immediately.

2. REDUCE CONSUMPTION

Easily identify and optimize idle times or change set parameters when machines are underloaded to reduce consumption.

3. IMPROVE PRODUCTIVITY

With just a few clicks, you can identify and optimize machine capacity, analyze routes and thus make your processes more profitable.

4. SAFEGUARD YOUR INVESTMENT

Alarm messages inform you about critical machine conditions. In the event of irregular movements, the machine can also easily be deactivated remotely.

➔ www.sennebogen.com/sentrack

MOVE BIG THINGS WITH US



over **74**
years of
experience

100 %
family owned
company

over **2200**
employees worldwide

5
production plants
in Germany

over **180**
sales and service
partners worldwide

27
different material
handling machines



Telehandler
4-6 t

Balancer
130-300 t

Material handler
17-420 t

Duty cycle crane
13.5-300 t

Crawler crane
50-200 t

Telescopic crane
16-200 t

Port crane
300 t

This catalog describes machine models, the scope of equipment of individual models, and configuration options (standard equipment and optional equipment) of the machines delivered by SENNEBOGEN Maschinenfabrik GmbH. Machine illustrations may contain optional and supplementary equipment. Actual equipment may vary depending on the country to which the machines are delivered, especially in regard to standard and optional equipment. All product designations used may be trademarks of SENNEBOGEN Maschinenfabrik GmbH or other supplying companies, and any use by third parties for their own purposes may violate the rights of the owners. Please contact your local SENNEBOGEN sales partner for information concerning the equipment variants offered. Requested performance characteristics are only binding if they are expressly stipulated upon conclusion of the contract. Delivery options and technical features are subject to change. All information is supplied without liability. Equipment is subject to change, and rights of advancement are reserved. © SENNEBOGEN Maschinenfabrik GmbH, Straubing, Germany. Reproduction in whole or in part only with written consent of SENNEBOGEN Maschinenfabrik GmbH, Straubing, Germany.



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