

Customized gear units for heavy industry

Application- and customer-specific solutions



SEW-EURODRIVE – the reliable partner at your side!

For 90 years now, the owner-operated family business SEW-EURODRIVE has stood for a diverse range of values, including everything from a personal, partnership-based approach, solutions and services to responsibility, quality, tradition, innovation and a whole lot more besides. With our diverse portfolio of drive and automation technology, we move countless applications in virtually every industry. Our 17 production plants and 81 Drive Technology Centers in 52 countries mean we're at your service on every continent and in every corner of the world. We work reliably and straightforwardly with our customers as equal partners, and foster customer proximity.

What makes us truly stand out from other manufacturers? Our unique, comprehensive network of sites and in-house experts operates globally and locally and ensures you never have to wait long for spare parts, repairs or professional advice.

We are your reliable partner and always close to you



57 countries



over 22,000
employees



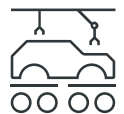
110,000
active customers



20 million parts/
month across
100+ locations



525,600 minutes
per year available
for you



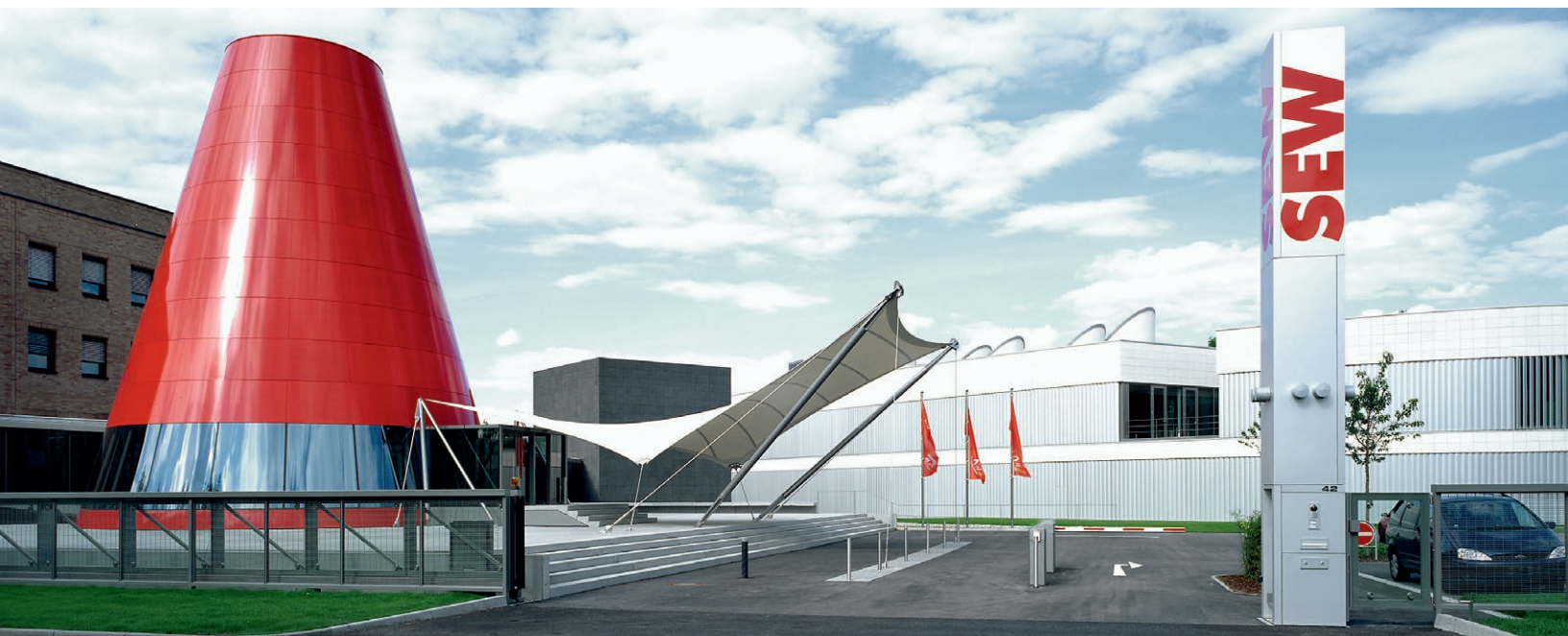
Solutions for many
different industries

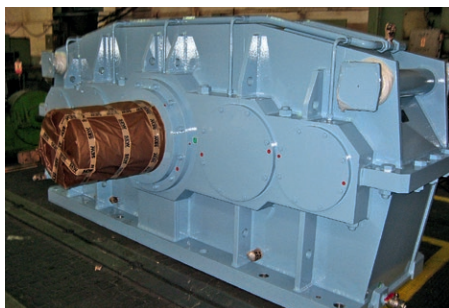
Pre-standardized or design-to-order – everything from a single source

Drive solutions for general industrial processes such as conveying and lifting can usually be achieved with our pre-standardized industrial gear units. However, there are also applications with particular requirements. In this case, we make targeted modifications to our modular industrial gear units to ensure they're a perfect match.

Frequently, the on-site circumstances are so specific that customized gear units are required to be produced in a single-unit batch. Thanks to our industrial expertise and decades of experience, we are able to build these special solutions in our own facilities – worldwide, no less. We always cooperate closely with our customers both locally and globally.

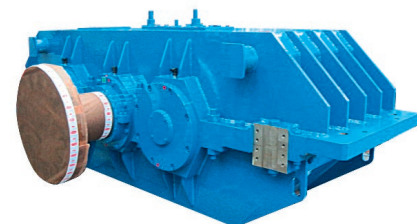
With SEW-EURODRIVE, you can therefore rest assured that you will always receive comprehensive and carefully tailored solutions for all torque ranges and areas of application. We also supply complete drive systems as a single package that covers everything from the drive motor to the gear unit coupling. Using proven, cutting-edge calculation tools, we optimize our drives to ensure they are designed to suit your exact requirements.





HOIST GEAR UNIT

Industry:	Mining
Operating torque:	1 800 000 Nm
Feature:	Power-split gear unit



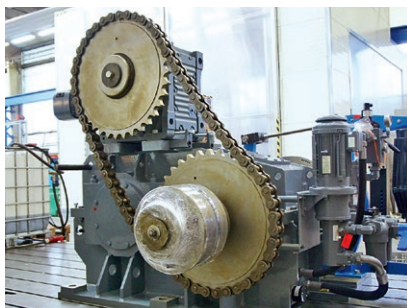
WINCH GEAR UNIT

Industry:	Mining
Operating torque:	335 000 Nm
Feature:	Power-split gear unit with patented torque support



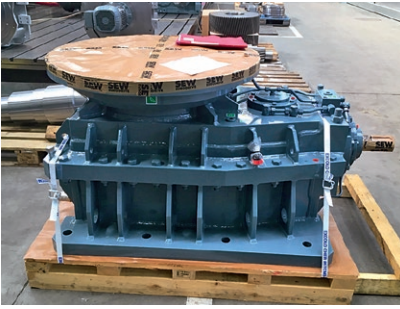
TUNNEL BORING MACHINE GEAR UNIT

Industry:	Mining
Feature:	51 metric tons



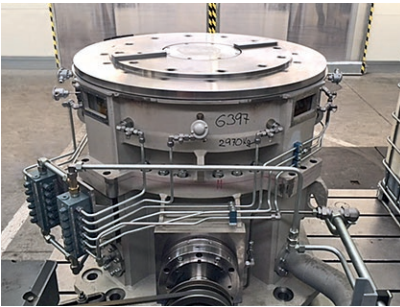
ROTARY KILN GEAR UNIT

Industry:	Cement
Operating torque:	60 000 Nm
Feature:	Auxiliary drive installed directly on main gear unit; only one unit needs to be aligned.



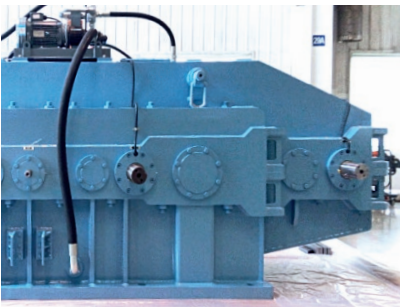
VERTICAL MILL GEAR UNIT

Industry: **Cement**
 Operating torque: **Up to 60 000 Nm**
 Feature: **Axial thrust bearing**



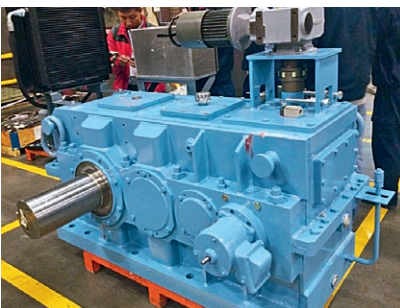
VERTICAL MILL GEAR UNIT

Industry: **Cement**
 Operating torque: **Up to 135 000 Nm**
 Feature: **Sliding segments for the axial load**



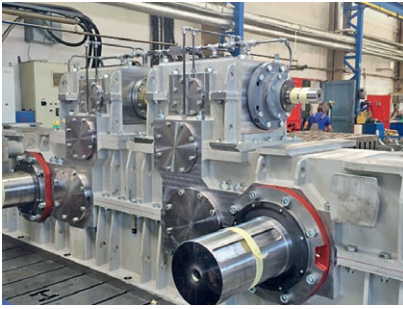
GEAR UNIT FOR A SHIP UNLOADER

Industry: **Steel**
 Operating torque: **370 000 Nm**
 Feature: **Grab functions implemented with one gear unit**



BELT CONVEYOR GEAR UNIT

Industry: **Steel**
 Operating torque: **Up to 600 000 Nm**
 Feature: **Shiftable gear unit for two speeds**



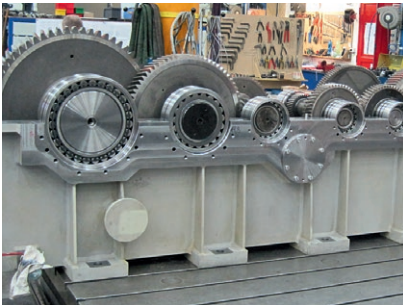
HOIST GEAR UNIT

Industry:	Steel
Operating torque:	520 000 Nm
Feature:	Mechanical synchronization of two motors



HOIST GEAR UNIT

Industry:	Steel
Operating torque:	Up to 482 000 Nm
Feature:	Differential drive: If a motor fails, the gear unit doubles its gear ratio, thus lowering the lifting speed. The hoist remains functional due to the redundancy built into the drive.



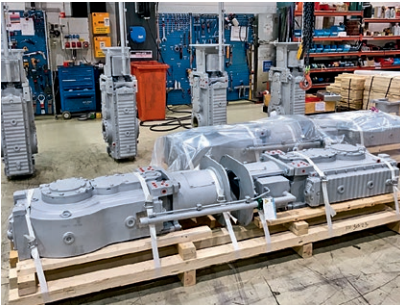
HOIST GEAR UNIT FOR A LADLE CRANE

Industry:	Steel
Operating torque:	Up to 700 000 Nm
Feature:	Differential drive: If a motor fails, the gear unit doubles its gear ratio, thus lowering the lifting speed. The hoist remains functional due to the redundancy built into the drive.



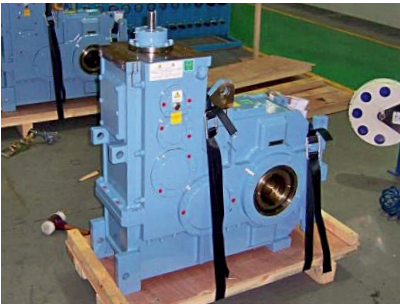
HOIST GEAR UNIT FOR A LADLE CRANE

Industry:	Steel
Operating torque:	Up to 700 000 Nm
Feature:	Differential drive: If a motor fails, the gear unit doubles its gear ratio, thus lowering the lifting speed. The hoist remains functional due to the redundancy built into the drive.



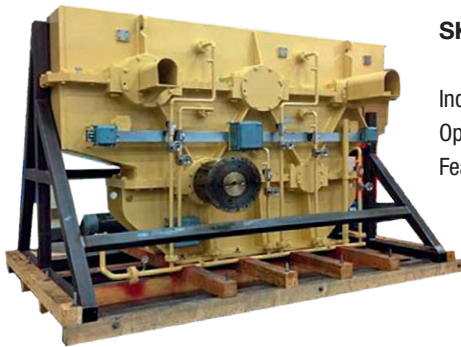
CONTINUOUS CASTING LINE GEAR UNIT

Industry:	Steel
Operating torque:	18 000 Nm
Feature:	Water-cooled housing



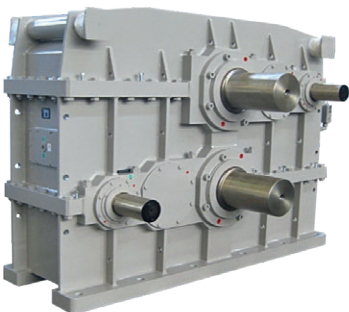
CONTINUOUS CASTING LINE GEAR UNIT

Industry:	Steel
Operating torque:	Up to 90 000 Nm
Feature:	Internal water cooling



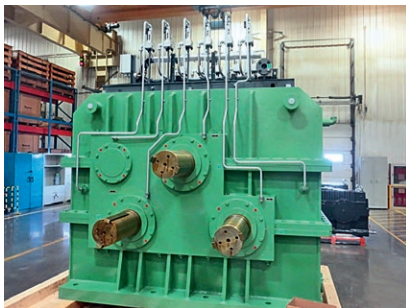
SKIN PASS MILL GEAR UNIT

Industry:	Steel
Operating torque:	39 000 Nm
Feature:	Direct exchange of the pre-existing gear unit (drop-in)



ROLLING MILL GEAR UNIT

Industry:	Steel
Operating torque:	150 000 Nm
Feature:	Two independent sets of gear wheels in one special housing; low center distance between the output shafts



ROLLING MILL GEAR UNIT

Industry: **Steel**
Operating torque: **198 000 Nm**
Feature: **With external pressure lubrication lines**



ROLLING MILL GEAR UNIT

Industry: **Steel**
Operating torque: **203 000 Nm**
Feature: **With external pressure lubrication lines**



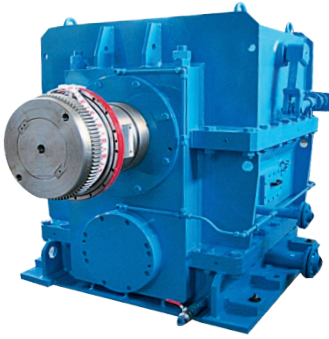
ROLLING MILL GEAR UNIT

Industry: **Steel**
Operating torque: **255 000 Nm**
Feature: **Precise adaptation to the installation space**



MILL PINION GEAR UNIT

Industry: **Steel**
Operating torque: **1 952 000 Nm**
Feature: **Double helical gearing**



COILING SYSTEM GEAR UNIT

Industry:	Steel
Operating torque:	164 000 Nm
Feature:	Gear unit with hydraulic switching unit for controlling two speeds



WIRE COILER GEAR UNIT

Industry:	Steel
Operating torque:	28 000 Nm
Feature:	Output shaft with a through going thrust shaft



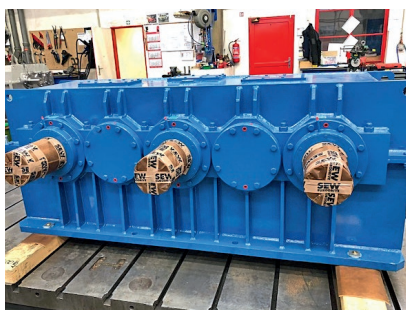
PRIMARY GEAR UNIT FOR A LEVELING MACHINE

Industry:	Steel
Operating torque:	3600 Nm
Feature:	Shiftable gear unit for two speeds



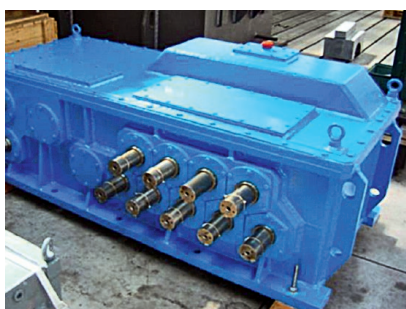
SLAG POT CAR GEAR UNIT

Industry:	Steel
Operating torque:	13 700 Nm
Feature:	Precise adaptation to the installation space



TUBE STRAIGHTENER GEAR UNIT

Industry:	Steel
Operating torque:	28 000 Nm
Feature:	Three output shafts



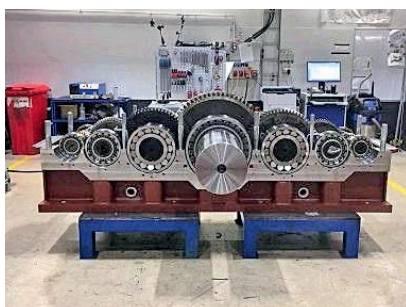
LEVELING MACHINE GEAR UNIT

Industry:	Steel
Operating torque:	Dependent on the output shafts
Feature:	Accommodated in same housing: Drive unit and leveling machine shafts



LEVELING MACHINE GEAR UNIT

Industry:	Steel
Operating torque:	Dependent on the output shafts
Feature:	17 output shafts



BRIDLE ROLL GEAR UNIT

Industry:	Steel
Operating torque:	275 000 Nm
Feature:	Power-split gear unit with two motors driving one output shaft



WINCH GEAR UNIT

Industry:	Steel
Operating torque:	670 000 Nm
Feature:	Direct exchange of the pre-existing gear unit (drop-in)



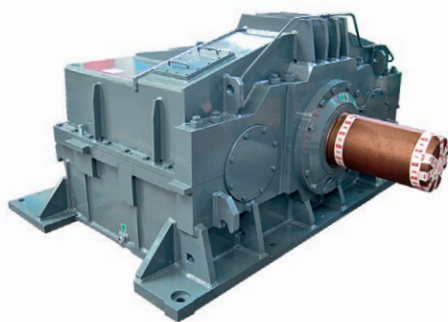
SAW GEAR UNIT

Industry:	Steel
Operating torque:	7200 Nm
Feature:	Precise adaptation to the installation space



CALENDERING LINE GEAR UNIT

Industry:	Rubber industry
Power rating:	3 × 132 kW
Feature:	Standard gear wheel parts from SEW-EURODRIVE in a special welded housing



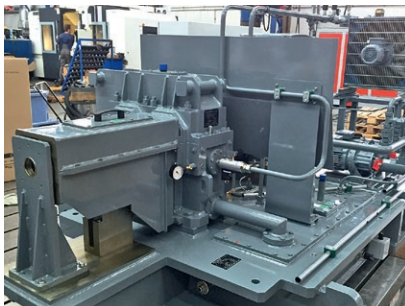
SUGAR CANE MILL GEAR UNIT

Industry:	Sugar
Operating torque:	163 000 Nm
Feature:	Power-split gear unit



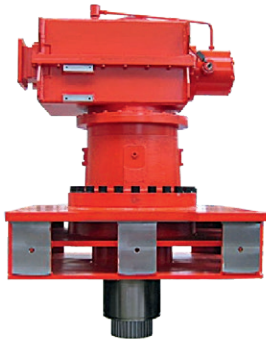
CLARIFIER GEAR UNIT

Industry:	Pulp and paper
Operating torque:	14 500 Nm
Feature:	Flange of the output shaft can move 900 mm in an axial direction and accommodate axial force



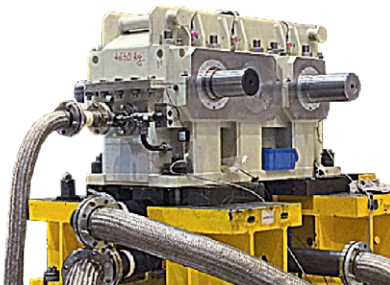
TEST BENCH GEAR UNIT

Industry:	Aviation
Power rating:	Up to 160 kW
Feature:	Speed increase up to $N_2 = 9000 \text{ min}^{-1}$; complete drive package supplied by SEW-EURODRIVE



CABLE CAR GEAR UNIT

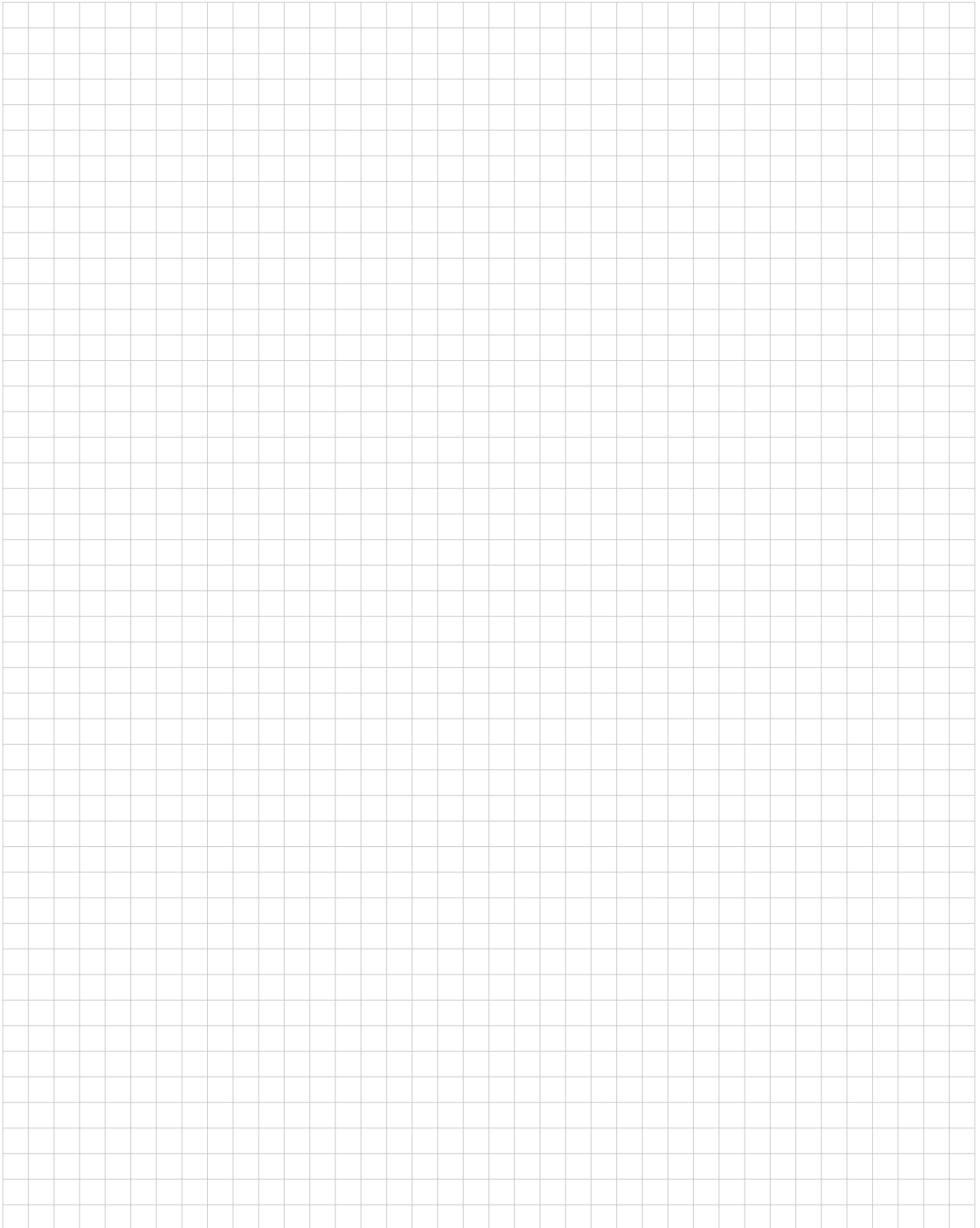
Industry:	Cable car engineering
Power rating:	380 kW
Feature:	Turnkey delivery including auxiliary drive and supporting frame



TEST BENCH GEAR UNIT

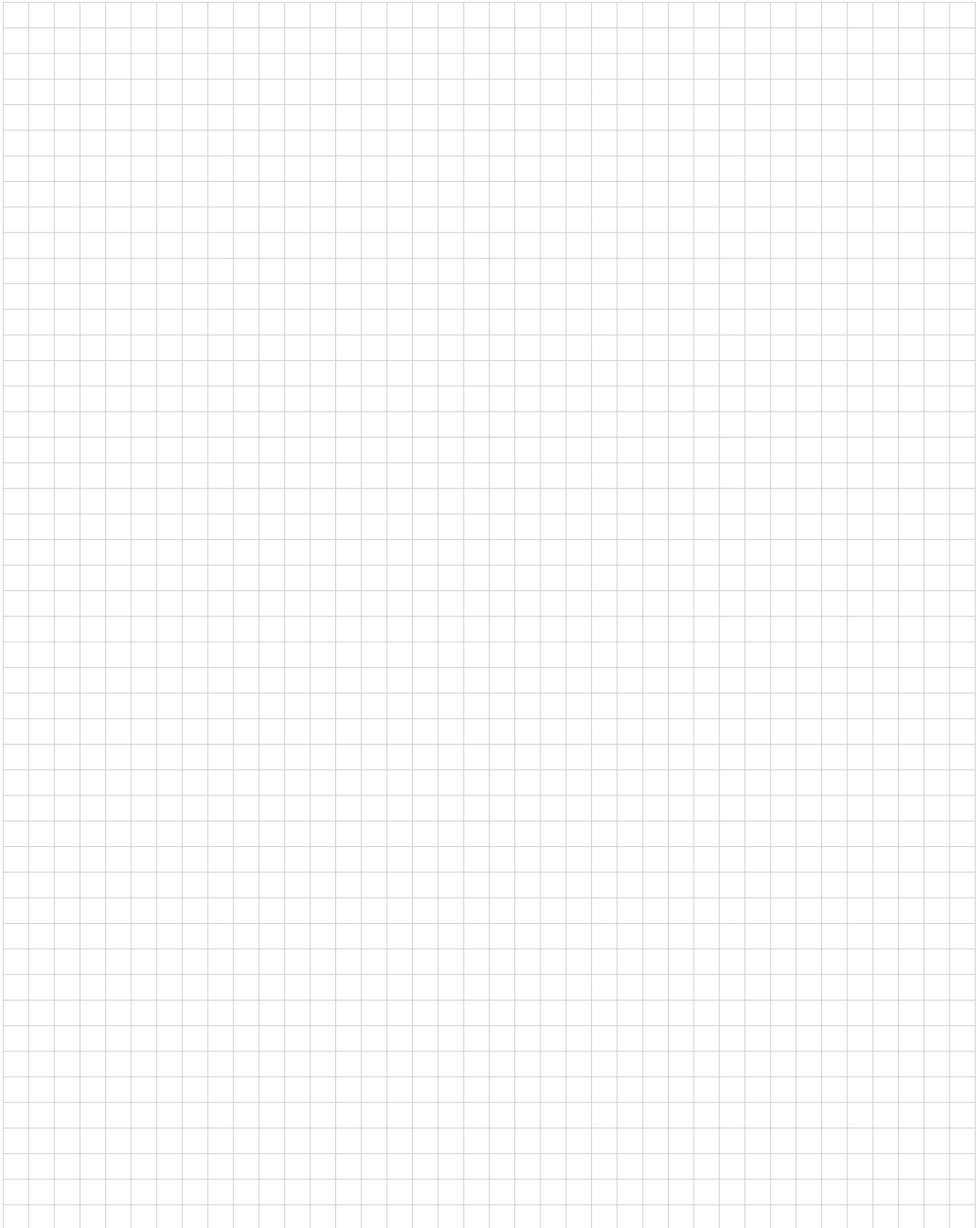
Industry:	Marine
Power rating:	Up to 7500 kW
Feature:	N_2 up to 7150 min^{-1}

Notes



Notes

Notes





U.S. locations

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