



Power Transmission Group

2021



Kumera Corporation

Kumera Corporation is a worldwide marketer of manufactured products and engineering services



Locations of Kumera Operations



Kumera Drives Oy
Riihimäki, Finland



Kumera Antriebstechnik GmbH
Graz, Austria



Kumera AS
Sandefjord, Norway



Kumera Co Ltd.
Kunshan, China



Kumera Technology Center
Riihimäki, Finland



Kumera Machinery Oy
Kylmäkoski, Finland



Peiron Oy
Kokemäki, Finland



Kumera Testing Center
Kangasala, Finland

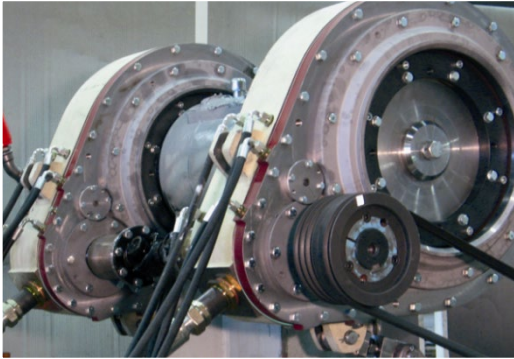
Kumera Power Transmission Operations

- Global supplier of geared transmissions for industrial and marine applications
- Wide range of standard, custom-made & tailor-made products
- R&D, engineering, manufacturing and extensive range of services available
- Thorough know-how and quick response time for customer-based tailored solutions
- Continuity due to steadiness in ownership and solid financial base



Kumera Drives Oy

Industrial Gear Units - Riihimäki, Finland



ROLL DRIVE



CHIPPER DRIVE



CONVEYOR DRIVE



CRANE DRIVE



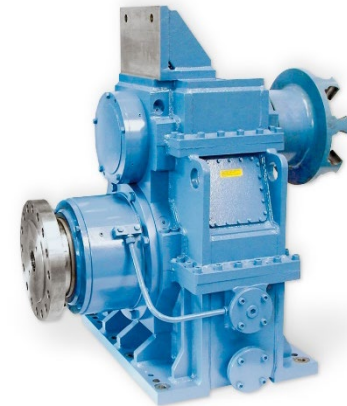
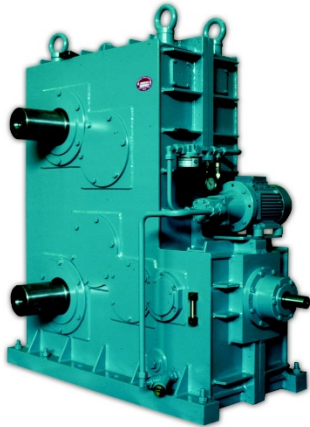
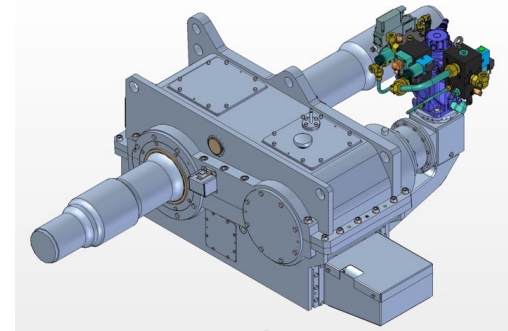
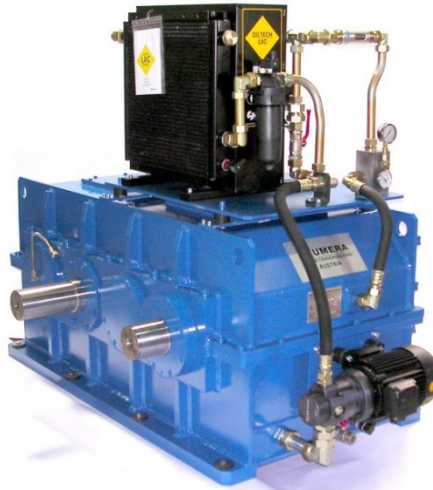
THICKENER DRIVE



DRUM DRIVE

Kumera Antriebstechnik GmbH

Special Gear Units – Graz, Austria



Kumera AS

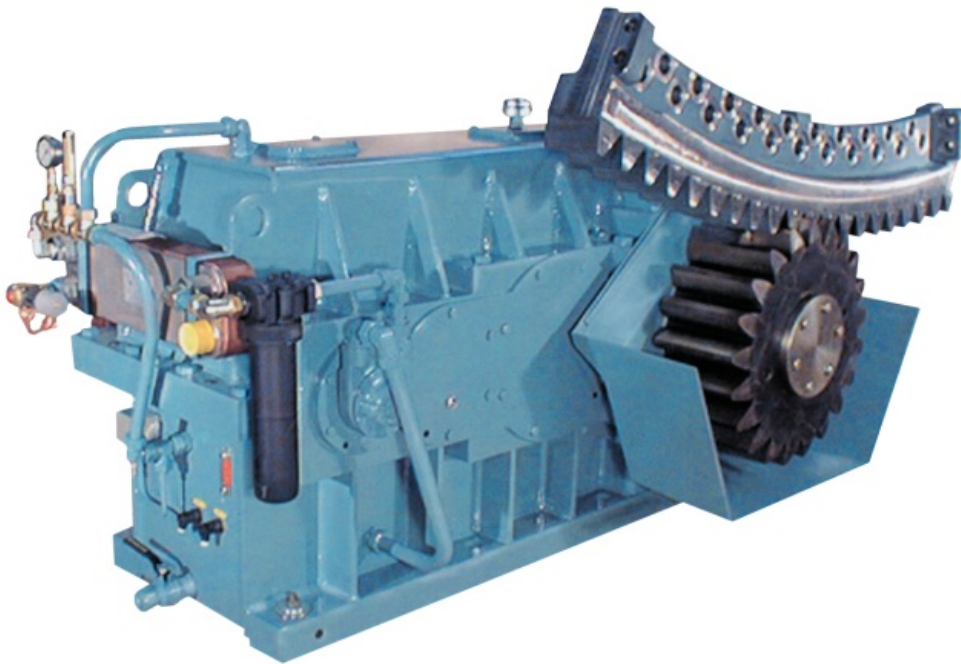
Marine Transmission - Sandefjord, Norway



Kumera (China) Co., Ltd.

Large and Middle-Sized Gear Units for Specific Industries in China

Kunshan, Jiangsu, China



A stylized world map in shades of blue and green, serving as the background for the slide. The map shows the continents and major oceans.

Power Transmission

Industry Specific Applications

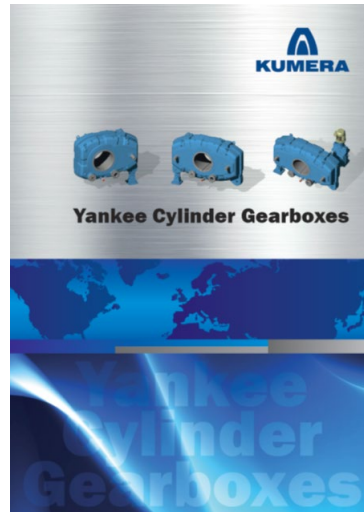
Gear Solutions – Industries and Applications

Kumera Power Transmission Division manufactures a wide range of gear units to applications e.g. in the following industries:

- Pulp and Paper
- Mining and Minerals
- Beneficiation & Metals Processing
- Material Handling
- Marine & Offshore
- Energy & Recycling
- Woodhandling & Wood Yards
- Cement
- Other Industries



Applications in Pulp and Paper



Drum Drives
Pulper Drives
Chipper Drives
Unwind Drives
Wind-up Drives
Agitator Drives
Conveyor Drives
Integrated Roll Drives



Applications in Mining & Minerals



Drum Drives
Crusher Drives
Agitator Drives
Conveyor Drives
Screening Drives
Flotation Cell Drives



Applications in Beneficiation & Metals Processing



Drum Drives
Coiler Drives
Crusher Drives
Agitator Drives
Flotation Cell Drives
Conveyor Drives
Rolling Mill Drives



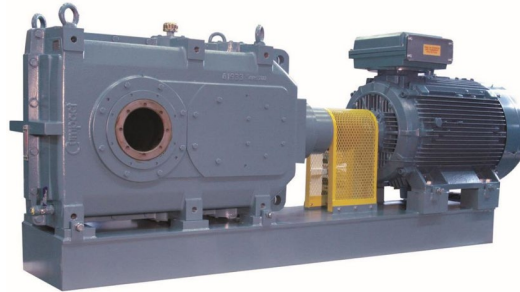
Applications in Material Handling

Cranes & Conveyors

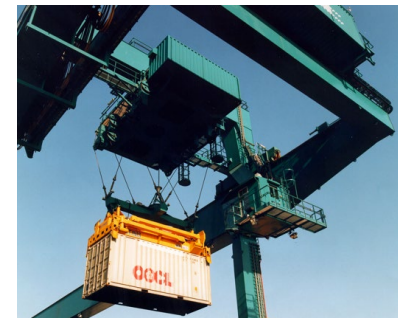
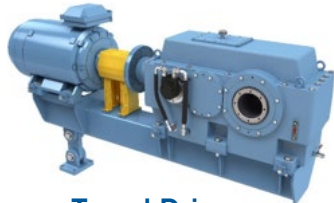
CUMPACT™ F gearboxes



CUMPACT™ G gearboxes



CUMERA D gearboxes



Travel Drives
Trolley Drives
Hoisting Drives
Conveyor Drives
Winching Drives

Applications in Marine & Offshore

Used as front-end gear units with diesel engines to drive

- Generators
- Dredging pumps
- Fire-fighting pumps



Used as front-end gear units with hydraulic pumps to operate

- Power blocks
- Winches
- Cranes
- Side propellers
- Variety of other equipment



Twin-input (hybrid) propulsion gearboxes

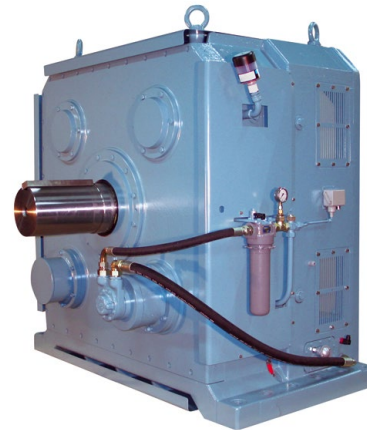
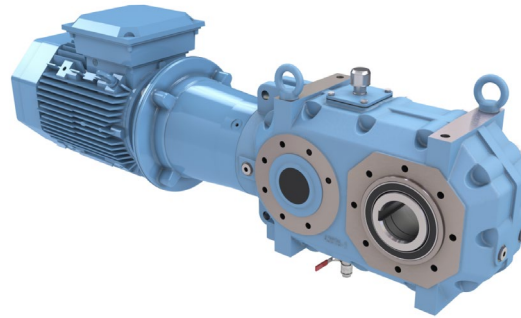
Applications in Energy & Recycling

Drives for various applications in

- Waste handling drums
- Biomass crushers & grinders
- Agitators in sewage water treatment
- Dewatering presses
- Conveyor drives



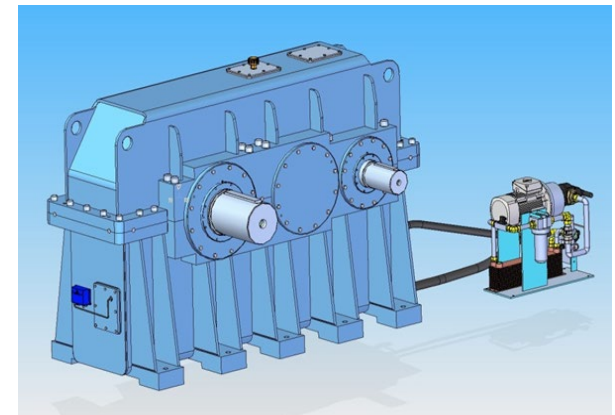
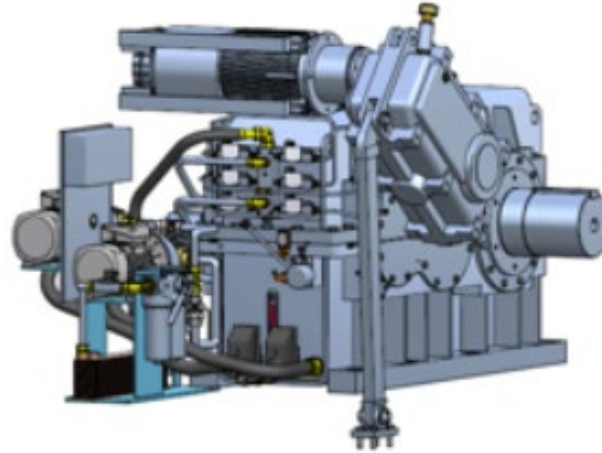
Applications in Wood Handling & Wood Yards



Applications in Cement Industry

Driven machines:

- Ball mills & kilns
- Crushing & grinding machines
- Roller presses
- Bucket elevators
- Conveyors
- Feeders
- Fans



Other Applications



Waste Water Treatment

Power Plants

Lock Gates

Bridges

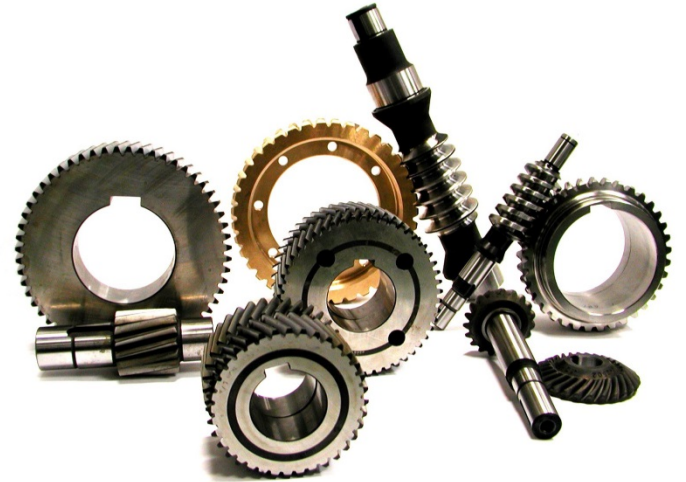


A stylized world map in shades of blue and green, serving as a background for the slide. The map shows the continents and major oceans.

Power Transmission Service

Spare Parts

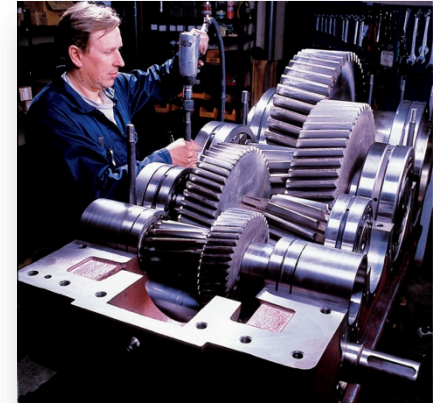
- Original spare parts by Kumera
- Custom made spare parts
- Spare parts for all brands
- High quality and fast delivery time
- Large storage of standard parts (for F,- G-series)
- All purchasing components coming from well known suppliers, wide range of spare parts available at own storage



Repairs and Overhauls

Workshop Repair

- Global KUMERA Service Center network, manufacturing and service facilities all around the world
- Multi brand overhauling, all brands can be repaired!
- Trouble shooting and root cause analyzes
 - inspections and reporting
- Fast delivery for spare parts, original and high quality spare parts
- Upgrading and modernization of all brands
 - construction changes, upgrading for bearings and tothing, modernization of lubrication and cooling methods



On-Site Services

Engineering & Supervision Services, Modernizations and Replacements

- Inspections and reporting
- Trouble shooting and root cause analyzes
- Professional services, lifetime calculating and engineering
- Installation supervising, laser alignments and machine installations
- On-site upgrading and replacements - all brands
- Modernization & replacement - drive systems and girth gears
- Professional service engineers available 24/7



Health Services

On-Site Condition Monitoring

Analysis (in operation)

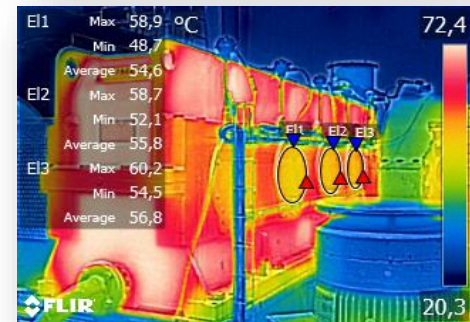
- Vibration
- Thermography
- Stray current (bearing current)
- Force
- Visual (External)

Inspections (in shutdown)

- Visual (Internal, External)
- Endoscopy
- Alignment

Services Include

- Process parameter analyses
- Report on results with recommendations



Health Monitoring

Guard Gear 4.0
-Guards Your Gear 24/7-

Kumera Specialist



OIL

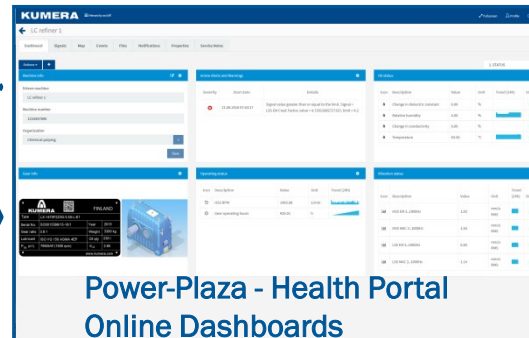
- Quality
- Rel. Humidity
- Temperature
- Particles
- Cleanliness

VIBRATION

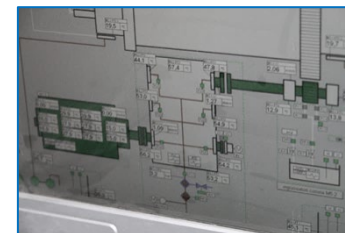
- Velocity
- Acceleration
- Envelope
- RPM

OPTIONALS

- Power
- Torque
- Pressure
- Flow
- Oil level

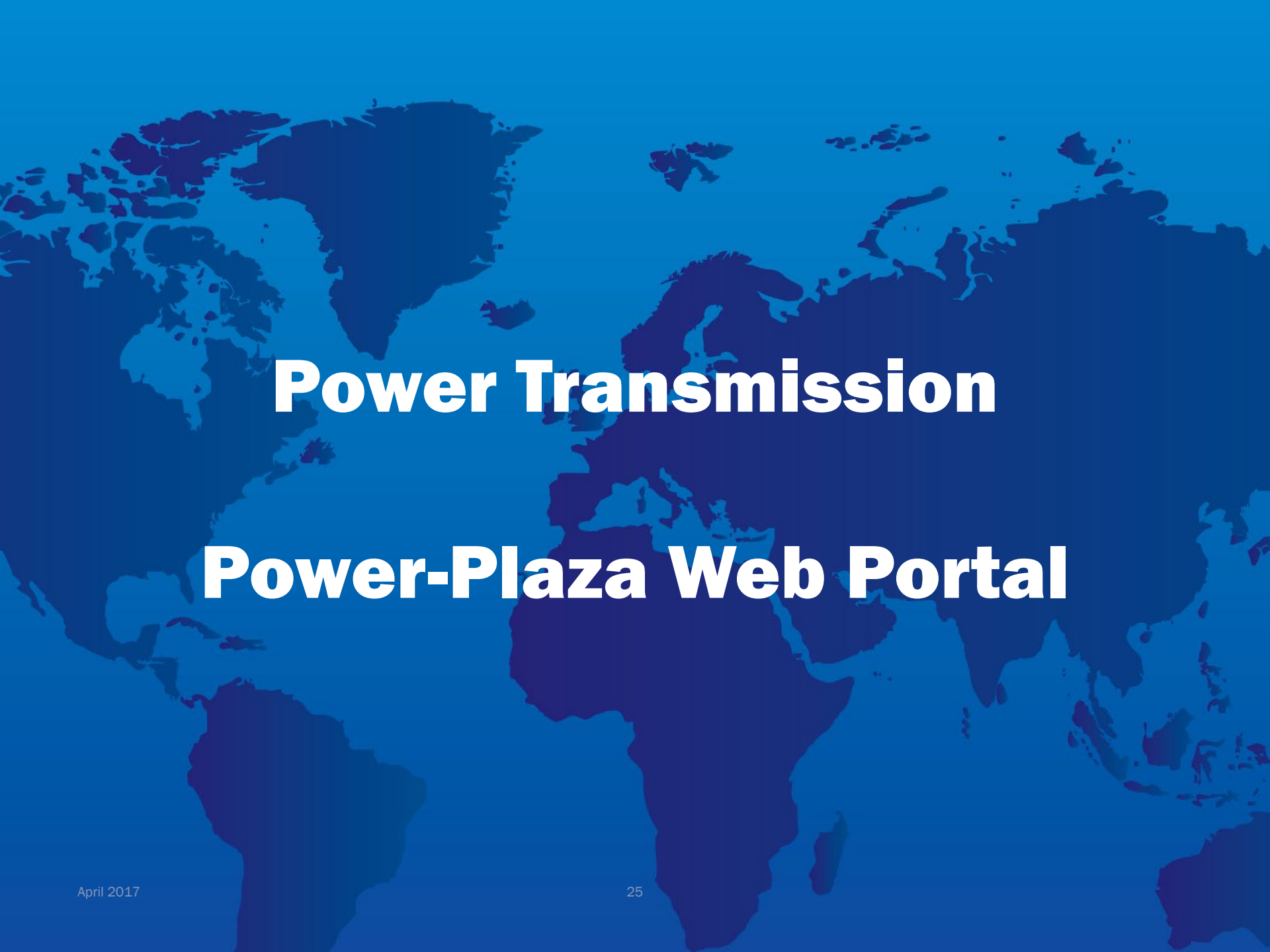


Operators,
Maintenance personel



Process Control System



A stylized world map in shades of blue and green, serving as a background for the title text.

Power Transmission

Power-Plaza Web Portal

Kumera Power-Plaza



HELICAL GEAR UNITS,
CUMPACT F-RANGE



HELICAL GEAR UNITS,
CUMPACT G-RANGE



SINGLE STAGE HELICAL
GEAR UNITS,
LX-RANGE



HEAVY DUTY HELICAL
GEAR UNITS,
CUMERA D-RANGE



BEVEL GEAR UNITS,
CUMPACT F-RANGE



BEVEL GEAR UNITS,
CUMPACT G-RANGE



AGITATOR GEAR UNITS,
SF-RANGE



AGITATOR GEAR UNITS,
SG-RANGE



WORM GEAR UNITS,
COVERA RANGE



COMBINATION HELICAL AND
WORM GEAR UNITS,
COVERA RANGE



DOUBLE WORM GEAR UNITS,
COVERA RANGE



WIND UP AND UNWIND
GEAR UNITS,
LP-RANGE



BEVEL GEAR UNITS,
D-RANGE



YANKEE CYLINDER
GEAR UNITS



SPECIAL GEAR UNITS



AGITATOR GEAR UNITS,
E-RANGE

POWER-PLAZA

Multitool for Gearbox
selection, designing, buying, servicing

Kumera Power-Plaza is a multi-tool for

- Gearbox selection
- Designing
- Buying
- Servicing

of mechanical transmission products
and associated spare parts

www.power-plaza.com

Power-Plaza

Market place
for power
transmission

Gear
Selection
tool

Product
information


POWER-PLAZA.COM

Home
Administrators
Products
Salespersons

Back
Kumera Gear Unit Configuration

Basic Selections

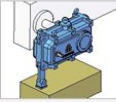
No Filtering: ☐
Agitator Gear Unit: ☐


Helical


Bevel

Gear Box Mounting:


Foot Mounted


Shaft Mounted

Gear Unit Type:
LH

Load Classification:
Uniform Load

Driving Power Source:
Electric Motor

Daily Service Hours:
10

Gear Unit Configuration

Gear Unit Type:	
Cooler:	
Nominal Ratio (i):	
Input Speed (n ₁):	rpm
Output Speed (n ₂):	rpm
Exact Ratio (u):	
Nominal Power (P):	kW
Nominal Output Torque (T ₂):	kNm
Output torque max. T ₂ Max:	0 kNm
Service Factor (k):	
Efficiency of the Gear Unit (eta):	
Mass Moment of Inertia (J):	kg·m ²
Radial Load of Input Shaft (F _{R1}):	kN
Radial Load of Output Shaft (F _{R2}):	kN
Tangential Velocity (v _{k1}):	m/s
Thermal Power (P _T):	kW
Capacity of Pressure Lubrication Unit (P _{LU}):	l/min
Gear Unit Weight:	kg

Trusted :



Kumera Corporation
FI-11100 Riihimäki, Finland
Tel. +358 20 7554 200
www.kumera.com
Email: sales@kumera.com



facebook