



## **ELECTRIC DRIVES**

FOR EVERY DEMAND

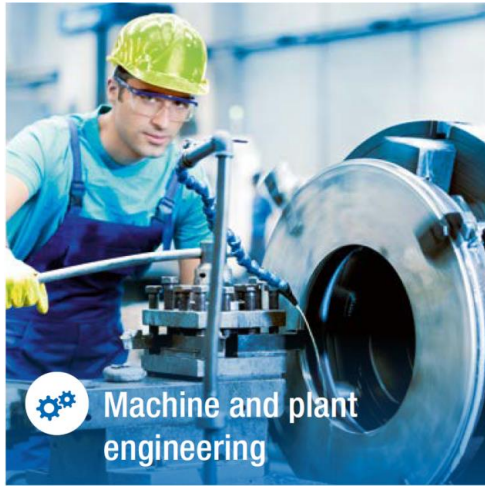


## **Reference List**

**VEM Shaft Generators**



Steel and rolling mills



Machine and plant engineering



Shipbuilding



Cement and mining industry



Transportation



Chemical, oil and gas industry



Water management



Renewable energies



Power plant technology



since **1886**

electrical engineering tradition



**8 countries**

with manufacturing facilities and subsidiaries



over

**90**

countries on the export list



**1,500**

motivated employees worldwide



**motors 0.06 kW – 60 MW**  
**generators up to 90 MVA**

range of electrical drive systems, special motors and special machines



up to **300**

Tonnes in motion



**110,000 m<sup>2</sup>**

production space



about **200 million** turnover

# High-voltage and special machines

## High-voltage transorm motors

Sizes/type of protection 400–450, IP 55  
 Speeds 3 000, 1 500, 1 000, 750 rpm  
 Rated voltages 2.2...6.6 kV and 9...11 kV, 50 Hz (60 Hz on request)

## Steel and rolling mills

Voltage range: 690 V to 11 kV  
 Frequencies: converter operation  
 Cooling types: air-water or air-air heat exchanger, water jacket cooling  
 Types of construction: IM B3, IM V1 and IM 7115 and modifications  
 Bearing: rolling or sliding bearing

## Asynchronous motors with squirrel-cage rotor

Torque: 5 to 500 kNm  
 Number of poles: 2-, 4-, 6-, 8- up to 24-pole

## Synchronous motors with all-pole & salient pole rotor/with brushless and brush excitation

Torque: 10 to 4 000 kNm  
 Number of poles: 4-, 6-, 8- up to 36-pole

## Chemicals, oil and gas industry

Power range

### Explosion-protected motors

Voltage range: 690 V to 13.8 kV  
 Frequencies: Mains power and converter operation  
 Cooling types: air-water or air-air heat exchanger  
 Types of construction: IM B3 and IM 7115 and modifications  
 Bearing: rolling or sliding bearing

### Ignition protection types

“n” (non sparking), increased safety “e”,  
 pressurised enclosure “p”

## Asynchronous motors with squirrel-cage rotor

500 – 14 000 kW

Number of poles: 2-, 4-, 6-, 8- up to 16-pole

## Synchronous motors with salient pole rotor, brushless

2 000 – 60 000 kW

Number of poles: 4-, 6-, 8- up to 72-pole

## Power plants

Power range

### Asynchronous motors and

**synchronous motors with squirrel-cage rotor** 200 – 22 000 kW

Number of poles: (2-), 4-, 6-, 8- up to 28-pole

Voltage range: 690 V to 13.8 kV

Frequencies: Mains power and converter operation

Cooling types: air-water or air-air heat exchanger, special design with water jacket cooling

Types of construction: IM B3 and IM V1 and modifications

Bearing: rolling or sliding bearing

## Cement and mining industry

Voltage range: 690 V to 13.8 kV

Frequencies: Converter operation

Cooling types: air-water or air-air heat exchanger, water jacket cooling

Types of construction: IM B3, IM V1 and IM 7115 and modifications

Bearing: rolling or sliding bearing

## Asynchronous motors with squirrel-cage rotor

200 – 28 000 kW

Number of poles: 4-, 6-, 8- up to 16-pole

## Asynchronous motors with slip ring rotor with and without KBAV

250 – 15 000 kW

Number of poles: 4-, 6-, 8- up to 16-pole

## Synchronous motors with all-pole & salient pole rotor/with brushless and brush excitation

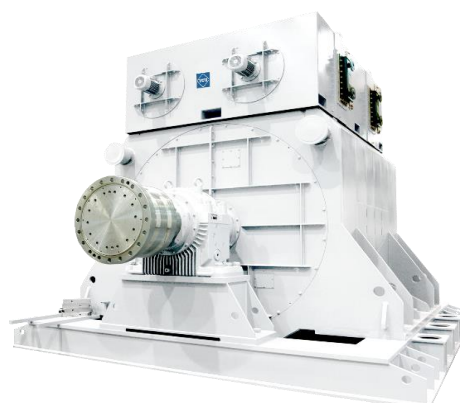
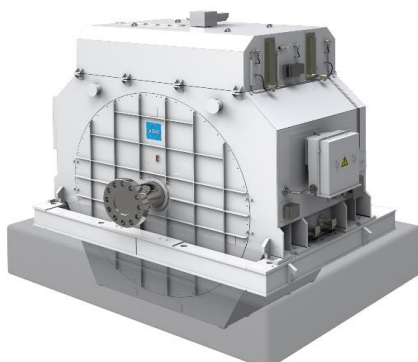
500 – 60 000 kW

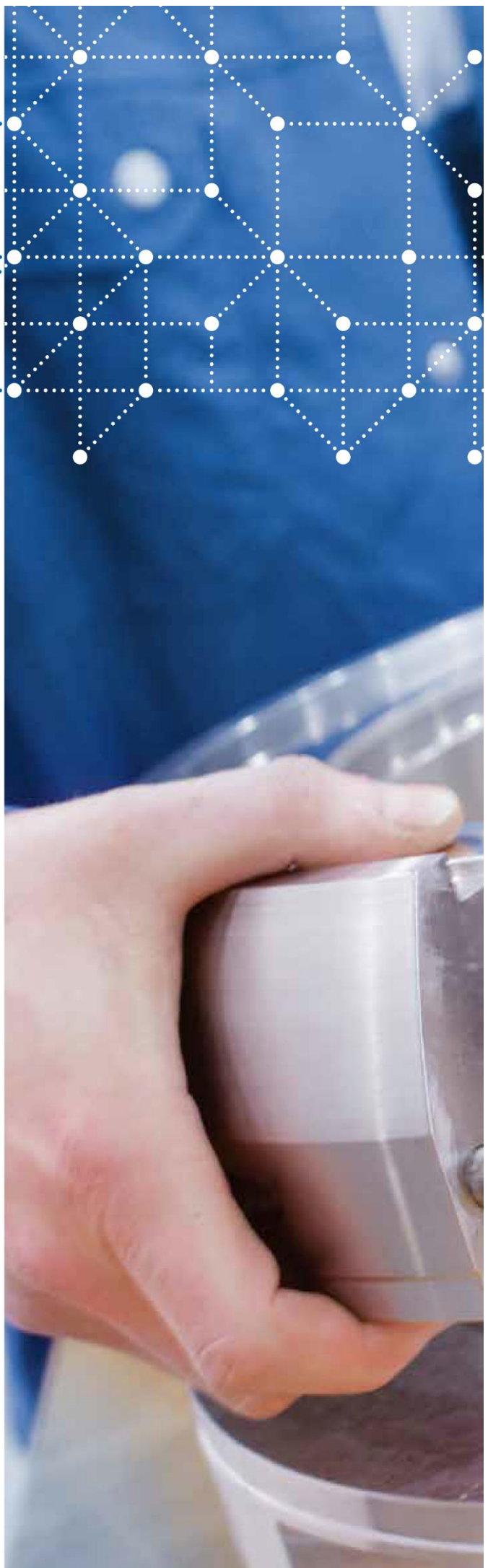
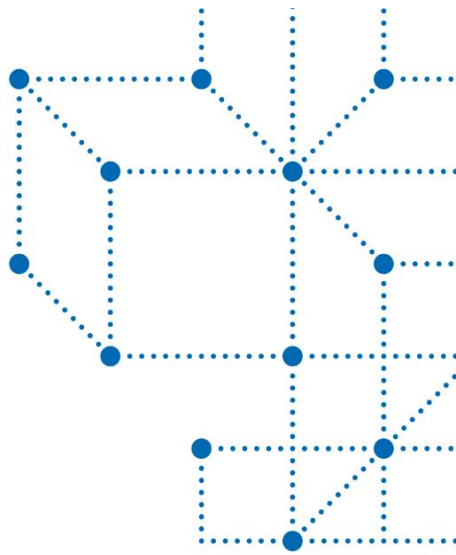
Number of poles: 4-, 6-, 8- up to 72-pole

## Permanently excited synchronous motors

Number of poles: 24-, 3-2 up to 36-pole

Torque: 650 kNm





## Water technology

### Power range

**Voltage range:** 690 V to 13.8 kV

**Frequencies:** Mains power and converter operation

**Cooling types:** air-water or air-air heat exchanger, water jacket cooling also continuous ventilation with filter

**Types of construction:** IM B3 and IM V1 and modifications

**Bearing:** rolling or sliding bearing

**Asynchronous motors with squirrel-cage rotor** 200 – 15 000 kW  
Number of poles: 2-, 4-, 6-, 8- up to 32-pole

**Asynchronous motors with slip ring rotor with and without KBAV** 500 – 15 000 kW  
(short-circuit and brush lifting device)  
Number of poles: 4-, 6-, 8- up to 16-pole

**Synchronous motors with all-pole & salient pole rotor/with brushless and brush excitation** 500 – 60 000 kW  
Number of poles: 4-, 6-, 8- up to 36-pole

**Permanently excited synchronous motors**  
Number of poles: 24-, 32- up to 36-pole  
Torque: 650 kNm

## Renewable energies

### Power range

#### Wind power

**Cooling types:** air-water or air-air heat exchanger, water jacket cooling

**Frequencies:** 50/60 Hz or for converter operation

**Asynchronous generators with squirrel-cage or slip ring rotor (DFIG)** 1 500 – 7 000 kVA  
Voltage range: 690 V to 6.6 kV

**Synchronous generator** 1 500 – 7 000 kVA  
Voltage range: 690 V to 13.8 kV

**Permanently excited synchronous generators** 1 500 – 5 000 kVA  
Voltage range: 690 V to 10.0 kV

**Generators for hydro power plants** on request

## Shipbuilding

Power range

### Asynchronous motors with squirrel-cage rotor for special and auxiliary drives

500 – 5 000 kW

Voltage range: 400 V to 11 000 V

Frequencies: 50/60 Hz or for converter operation

Number of poles: 4-pole to 12-pole

Cooling types: air-water heat exchanger

### Synchronous generators with all-pole or salient pole rotor, brushless or with slip ring

500 – 30 000 kVA

Voltage range: 400 V to 11 000 V

Number of poles: 4-pole to 14-pole

Cooling types: air-water heat exchanger

### Shaft generators (slow running)

480 – 10 000 kVA/480 – 10 000 kW

Voltage range: 400 V to 6 600 V

Frequencies: 7 Hz ... 10 Hz ... 20 Hz (at the converter)

Number of poles: 16-pole (24-pole on request)

### Asynchronous motors with squirrel-cage rotor as thruster or lateral thruster drives

500 – 5 000 kW

Voltage range: 400 V to 11 000 V

Frequencies: 50/60 Hz or for converter operation

Number of poles: 4-, 6- or 8-pole

### Asynchronous motors with squirrel-cage rotor for propulsion drive

500 – 15 000 kW

Voltage range: 400 V to 11 000 V for direct drive and

500 V to 4 500 V for converter operation

Number of poles: 4-pole to 24-pole

### Synchronous motors for propulsion drive

5 000 – 30 000 kW

Voltage range: 690 V to 6 600 V for converter operation

Number of poles: 16-pole (6-pole to 24-pole on request)

## Traffic engineering

Power range

### Traction drives for rail vehicles, electrically driven buses and special vehicles

Three-phase asynchronous traction motors (monorails) up to 125 kW

Three-phase asynchronous traction motors (trams) up to 130 kW

Three-phase asynchronous traction motors (suburban and underground railways) up to 250 kW

Three-phase asynchronous traction motors (multiple units, electric) up to 750 kW

Three-phase asynchronous traction motors (locomotives) up to 1 800 kW

Three-phase asynchronous traction motors (trolley and hybrid buses) up to 250 kW

Three-phase synchronous traction generators (rail vehicles) up to 3 000 kVA

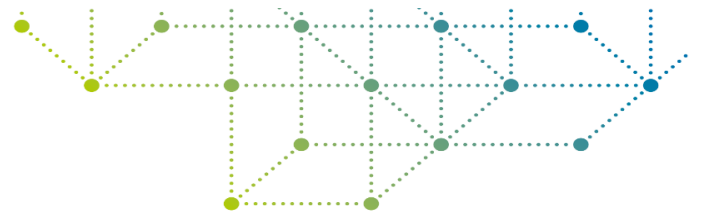
Three-phase asynchronous traction motors (rail vehicles) up to 3 000 kW

Three-phase synchronous PM traction generators (rail vehicles) up to 3 000 kVA

Three-phase synchronous on-board generators (rail vehicles) up to 300 kVA

Three-phase synchronous traction generators (mining trucks) up to 4 000 kVA

# List of Projects



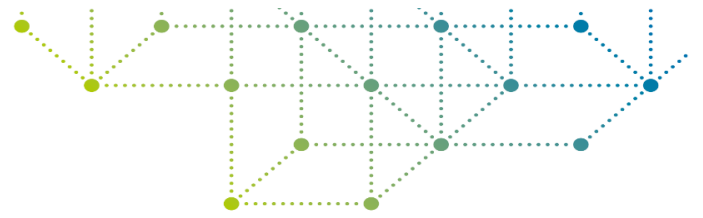
## Synchronous Generators

Power range: 500 - 30.000 kVA  
 Number of poles: 4-, 6-, 8 up to 36-pole  
 Voltage range: 690 V to 13.8 kV  
 Excitation: electrical, slip-ring or permanent magnets  
 Cooling types: air- water or air-air heat exchanger,  
 special design or water-jacket cooling



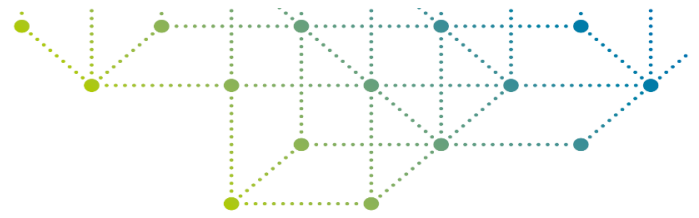
type / Typ	power / Leistung	customer / Besteller project driven equipment	quantity / Anzahl	country / Land	year / Jahr
DGMUW 1128-16U	1.400,0 kVA 690 V 70,0 min-1	WÄRTSILÄ Deutschland GmbH Eastern Pacific Shipping Jinli Shaft Generator	11	China	2022 - 2024
DGMUW 1645-16U	4.176,0 kW / 4.350,0 kVA 690 V 52,0 min-1	VEM MOTORS ASIA PTE LTD MSC 16k - VEM motors Asia Pte Shaft Generator	8	China	2022 - 2024
DPMUW 1645-36U	4.684,0 kVA 575 V 59,0 min-1	WÄRTSILÄ Deutschland GmbH 119666 MAERSK PMSG 1600 - Wärt Shaft Generator	12	China	2022 - 2023
DGMUW 1445-16U	3.300,0 kVA 690 V 63,0 min-1	WÄRTSILÄ Deutschland GmbH Hartmann 3500TEU Container - S Shaft Generator	3	China	4-10 / 2023
DGMUW 1436-16U	2.670,0 kVA 690 V 57,0 min-1	WÄRTSILÄ Deutschland GmbH HMD 8360-8365 - Wärtsilä SAM E Shaft Generator	6	South Korea	2022 - 2023
DGMUW 1145-16U	2.058,0 kVA 690 V 70,0 min-1	WÄRTSILÄ Deutschland GmbH 40k SG - Wärtsilä SAM Electron Shaft Generator	3	China	1-8 / 2023
DGMUW 1645-16U	4.400,0 kVA 690 V 53,0 min-1	WÄRTSILÄ Deutschland GmbH Dalian C16k - Wärtsilä SAM Ele Shaft Generator	9	China	2022 - 2023
DGMUW 1128-16U	2.040,0 kVA 690 V 110,0 min-1	WÄRTSILÄ Deutschland GmbH Jinglu Nordic JLO283 JLO284 JL Shaft Generator	7	China	2022 - 2023
DGMUW 1136-16U	1.210,0 kVA 690 V 48,0 min-1	WÄRTSILÄ Deutschland GmbH 117099-BC 210k - Wärtsilä SAM Shaft Generator	6	China	2022 - 2023
DGMUW 1140-16U	1.350,0 kVA 690 V 48,0 min-1	WÄRTSILÄ Deutschland GmbH Wärtsilä SAM Electronics - HAM Shaft Generator	4	China	4 / 2023
DGMUW 1150-16U	2.200,0 kW / 2.500,0 kVA 690 V 71,0 min-1	VEM MOTORS ASIA PTE LTD 98K VLEC Jiangnan H2626 - VEM Shaft Generator	5	China	2021 - 2023
DGMUW 1145-16U	2.240,0 kVA 690 V 70,6 min-1	WÄRTSILÄ Deutschland GmbH Petretec III, Sales Nr.118933, Shaft Generator	1	China	3 / 2023
DGMUW 1128-16U	1.450,0 kVA 690 V 73,0 min-1	VEM MOTORS ASIA PTE LTD 7600 PCTC - VEM motors Asia Pt Shaft Generator	1	China	2 / 2023
DGMUW 1128-16U	93,3 kW / 1.400,0 kVA 690 V 79,0 min-1	WÄRTSILÄ Deutschland GmbH Shin Kurushima S3756 + S3757 - Shaft Generator	2	Japan	2022 - 2023
DGMUZ 1656-16W	4.778,0 kVA 4.220 V 46,0 min-1	VEM MOTORS ASIA PTE LTD MSC 24k - VEM motors Asia Pte Shaft Generator	4	China	9-10 / 2022

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DGMUZ 1645-16W	4.350,0 kVA 4.220 V 53,0 min-1	VEM MOTORS ASIA PTE LTD MSC 16k @ YZJ Shipyards - VEM m Shaft Generator	1	China	9 / 2022
DGMUW 1150-16U	2.400,0 kW / 2.500,0 kVA 690 V 71,0 min-1	VEM MOTORS ASIA PTE LTD 98k VLCC Southwest H2758, H275 Shaft Generator	1	China	8 / 2022
DGMUW 1128-16U	1.450,0 kVA 690 V 73,0 min-1	VEM MOTORS ASIA PTE LTD 7600 PCTC - VEM motors Asia Pt Shaft Generator	1	China	2 / 2023
DGMUW 1145-16U	2.250,0 kVA 690 V 72,0 min-1	VEM MOTORS ASIA PTE LTD Jiangnan H2756 & H2757, 93k - Shaft Generator	2	China	5-7 / 2022
DGMUW 1140-16U	2.002,0 kW / 2.130,0 kVA 690 V 100,0 min-1	VEM MOTORS ASIA PTE LTD Wenchong H5508- VEM motors Asi Shaft Generator	2	China	2021 - 2022
DGMUW 1150-16U	1.635,0 kVA 690 V 46,5 min-1	WÄRTSILÄ Deutschland GmbH Dalian T300k-99 - Wärtsilä SAM Shaft Generator	1	China	4 / 2022
DGMUW 1145-16U	2.130,0 kVA 690 V 70,6 min-1	VEM MOTORS ASIA PTE LTD Jiangnan H2628- VEM motors Asi Shaft Generator	40	China	2020 - 2022
DGMUW 1145-16U	2.240,0 kVA 690 V 72,0 min-1	WÄRTSILÄ Deutschland GmbH JGNSY Petretec H2735-40 - Wärt Shaft Generator	16	China	1 / 2022
DPMUW 1140-28U	1.925,0 kW / 2.094,0 kVA 556 V 54,0 min-1	WÄRTSILÄ Deutschland GmbH PMSG HSHI Korea H8105 - Wärt Shaft Generator	3	Russia	12 / 2021
DGMUW 1150-16U	2.500,0 kVA 690 V 70,6 min-1	VEM MOTORS ASIA PTE LTD 98K VLEC Jiangnan H2627 - VEM Shaft Generator	1	China	12 / 2021
DGMUW 1140-16U	2.200,0 kVA 690 V 81,0 min-1	WÄRTSILÄ Deutschland GmbH Jingling JLZ8180407/08/09 - WS Shaft Generator	6	China	2020 - 2021
DGMUW 1436-16U	2.450,0 kVA 480 V 57,0 min-1	WÄRTSILÄ Deutschland GmbH Hyundai Mipo Dockyard 8256/825 Shaft Generator	2	South Korea	9-12 / 2020
DGMUW 1132-16U	1.092,0 kVA 590 V 50,0 min-1	WÄRTSILÄ Deutschland GmbH 210k bulk COSCO - Wärtsilä SAM Shaft Generator	6	China	6-8 / 2020
DGMUW 1145-16U	2.250,0 kVA 590 V 75,0 min-1	WÄRTSILÄ Deutschland GmbH Jiangnan H2667+H2668/EXMAR ex Shaft Generator	2	China	6-7 / 2020
DGMUW 1132-16U	2.050,0 kVA 590 V 110,0 min-1	WÄRTSILÄ Deutschland GmbH WG Guoyu - SAM Electronics Shaft Generator	6	China	2015 - 2020
DGMUW 1136-16U	1.575,0 kVA 590 V 66,0 min-1	WÄRTSILÄ Deutschland GmbH Chengxi CX9401- Wärtsilä SAM E Generator	2	China	2019 - 2020
DGMUW 9035-16U	640,0 kVA 590 V 65,0 min-1	WÄRTSILÄ Deutschland GmbH Wellengeno KouAn - SAM Shaft Generator		China	
DGMUZ 1653-16WS	4.968,0 kW / 5.175,0 kVA 4.100 V 64,0 min-1	WÄRTSILÄ Deutschland GmbH WG HHI 2498 - SAM Shaft Generator		South Korea	
DGMUZ 1653-16WS	4.968,0 kW / 5.175,0 kVA 4.100 V 64,0 min-1	WÄRTSILÄ Deutschland GmbH WG HHI 2499 - SAM Shaft Generator		South Korea	
DGMUZ 1653-16WS	4.968,0 kW / 5.175,0 kVA 4.100 V 64,0 min-1	WÄRTSILÄ Deutschland GmbH WG HHI 2500 - SAM Shaft Generator		South Korea	

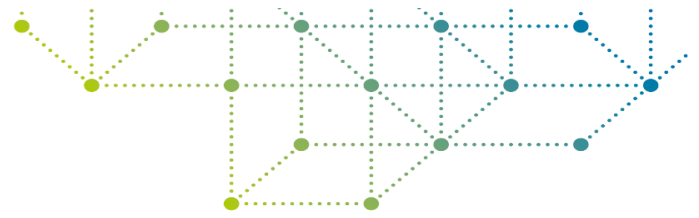
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DGMUW 1440-16U	<b>3.350,0 kVA</b> 590 V 77,0 min-1	<b>WÄRTSILÄ Deutschland GmbH</b> MAN Dalian-Wärtsilä SAM Electr Shaft Generator	<b>2</b>	<b>China</b>	<b>2017 - 2019</b>
DGMUW 9035-16U	<b>640,0 kVA</b> 590 V 65,0 min-1	<b>WÄRTSILÄ Deutschland GmbH</b> WG KouAn - SAM Electronics Gmb Shaft Generator		<b>China</b>	
DGMUW 9035-16U	<b>640,0 kVA</b> 590 V 65,0 min-1	<b>WÄRTSILÄ Deutschland GmbH</b> WG KouAn - SAM Electronics Gmb Shaft Generator		<b>China</b>	
DGMUW 1450-16U	<b>3.960,0 kVA</b> 590 V 68,0 min-1	<b>WÄRTSILÄ Deutschland GmbH</b> Eimskip Wengchong H5645 - SAM Generator	<b>3</b>	<b>China</b>	<b>6-7 / 2018</b>
DGMUW 1140-16U	<b>2.150,0 kVA</b> 590 V 85,0 min-1	<b>WÄRTSILÄ Deutschland GmbH</b> Cobelfret Uljanik - SAM Shaft Generator	<b>1</b>	<b>Croatia</b>	<b>6 / 2018</b>
DGMUW 1428-16U	<b>2.240,0 kVA</b> 630 V 66,0 min-1	<b>WÄRTSILÄ Deutschland GmbH</b> SAM Electronics GmbH Shaft Generator		<b>China</b>	
DGMUW 1428-16U	<b>2.240,0 kVA</b> 630 V 66,0 min-1	<b>WÄRTSILÄ Deutschland GmbH</b> SAM Electronics GmbH Shaft Generator		<b>China</b>	
DGMUW 1428-16US	<b>2.240,0 kVA</b> 630 V 66,0 min-1	<b>WÄRTSILÄ Deutschland GmbH</b> SAM Electronics GmbH Shaft Generator		<b>China</b>	
DGMUW 1132-16U	<b>1.100,0 kVA</b> 590 V 60,0 min-1	<b>WÄRTSILÄ Deutschland GmbH</b> Xiamen - SAM Electronics GmbH Shaft Generator		<b>China</b>	
DGMUW 1132-16U	<b>1.100,0 kVA</b> 590 V 60,0 min-1	<b>WÄRTSILÄ Deutschland GmbH</b> Xiamen - SAM Electronics GmbH Shaft Generator		<b>China</b>	
DGMUW 1132-16U	<b>1.100,0 kVA</b> 590 V 60,0 min-1	<b>WÄRTSILÄ Deutschland GmbH</b> Xiamen - SAM Electronics GmbH Shaft Generator		<b>China</b>	
DGMUW 1132-16U	<b>1.100,0 kVA</b> 590 V 60,0 min-1	<b>WÄRTSILÄ Deutschland GmbH</b> Xiamen - SAM Electronics GmbH Shaft Generator		<b>China</b>	
DGMUW 1132-16U	<b>1.100,0 kVA</b> 590 V 60,0 min-1	<b>WÄRTSILÄ Deutschland GmbH</b> Xiamen - SAM Electronics GmbH Shaft Generator		<b>China</b>	
DGMUW 1131-16U	<b>1.035,0 kVA</b> 590 V 61,0 min-1	<b>WÄRTSILÄ Deutschland GmbH</b> WG Quido Beihai - SAM Shaft Generator		<b>China</b>	
DGMUW 9020-16U	<b>700,0 kVA</b> 530 V 100,8 min-1	<b>WÄRTSILÄ Deutschland GmbH</b> Sirius Avic Dingheng AD0030/AD Shaft Generator	<b>2</b>	<b>Sweden</b>	<b>11-12 / 2017</b>
DGKSW 6328-4US	<b>2.250,0 kVA</b> 825 V 840,0 min-1	<b>WÄRTSILÄ Deutschland GmbH</b> Polarstern - Wärtsilä SAM Elec Shaft Generator	<b>2</b>	<b>Germany</b>	<b>10 / 2017</b>
DGMUW 1145-16U	<b>2.800,0 kVA</b> 590 V 94,0 min-1	<b>WÄRTSILÄ Deutschland GmbH</b> Uljanik Livestock 526 - Wärtsi Shaft Generator	<b>1</b>	<b>Croatia</b>	<b>4 / 2017</b>
DGMUW 9040-16U	<b>815,0 kVA</b> 590 V 65,0 min-1	<b>WÄRTSILÄ Deutschland GmbH</b> Huanghai - SAM Electronics Gmb Shaft Generator		<b>China</b>	
DGMUW 9040-16U	<b>815,0 kVA</b> 590 V 65,0 min-1	<b>WÄRTSILÄ Deutschland GmbH</b> Huanghai - SAM Electronics Gmb Shaft Generator		<b>China</b>	
DGMUW 9040-16U	<b>815,0 kVA</b> 590 V 65,0 min-1	<b>WÄRTSILÄ Deutschland GmbH</b> Huanghai - SAM Electronics Gmb Shaft Generator		<b>China</b>	



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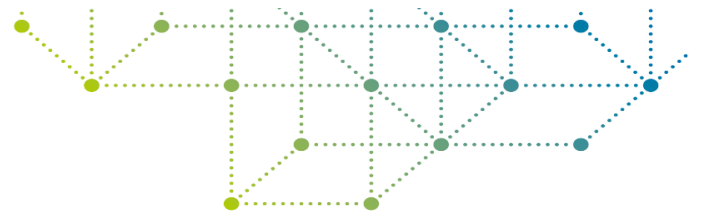
DGMUW 9040-16U	<b>815,0 kVA</b> 590 V 65,0 min-1	<b>WÄRTSILÄ Deutschland GmbH</b> Huanghai - SAM Electronics Gmb Shaft Generator		<b>China</b>	
DGMUW 1445-16U	<b>2.470,0 kVA</b> 590 V 54,0 min-1	<b>WÄRTSILÄ Deutschland GmbH</b> Wellengeneratoren HHI Knutsen Shaft Generator		<b>South Korea</b>	
DGMUW 1445-16U	<b>2.470,0 kVA</b> 590 V 54,0 min-1	<b>WÄRTSILÄ Deutschland GmbH</b> Wellengeneratoren HHI Knutsen Shaft Generator		<b>South Korea</b>	
DGMUW 1432-16U	<b>2.800,0 kVA</b> 590 V 80,0 min-1	<b>WÄRTSILÄ Deutschland GmbH</b> WG Zhejiang (Hull1034) - SAM Shaft Generator		<b>China</b>	
DGMUW 1432-16U	<b>2.800,0 kVA</b> 590 V 80,0 min-1	<b>WÄRTSILÄ Deutschland GmbH</b> WG Zhejiang (Hull 1036) - SAM Shaft Generator		<b>China</b>	
DGMUW 1132-16U	<b>2.050,0 kVA</b> 590 V 110,0 min-1	<b>WÄRTSILÄ Deutschland GmbH</b> WG Guoyu - SAM Electronics Shaft Generator		<b>China</b>	
DGMUW 1132-16U	<b>2.050,0 kVA</b> 590 V 110,0 min-1	<b>WÄRTSILÄ Deutschland GmbH</b> WG Wenchong - SAM Electronics Shaft Generator		<b>China</b>	
DGMUW 1132-16U	<b>2.050,0 kVA</b> 590 V 110,0 min-1	<b>WÄRTSILÄ Deutschland GmbH</b> WG Wenchong - SAM Electronics Shaft Generator		<b>China</b>	
DGMUW 9040-16U	<b>815,0 kVA</b> 590 V 65,0 min-1	<b>WÄRTSILÄ Deutschland GmbH</b> Huanghai - SAM Electronics Gmb Shaft Generator	<b>5</b>	<b>China</b>	<b>3-12 / 2015</b>
DGMUW 1432-16U	<b>2.800,0 kVA</b> 590 V 80,0 min-1	<b>WÄRTSILÄ Deutschland GmbH</b> WG Zhejiang (Hull 1035) - SAM Shaft Generator	<b>3</b>	<b>China</b>	<b>8-11 / 2015</b>
DGMUW 1132-16U	<b>1.100,0 kVA</b> 590 V 60,0 min-1	<b>WÄRTSILÄ Deutschland GmbH</b> Xiamen - SAM Electronics GmbH Shaft Generator	<b>6</b>	<b>China</b>	<b>2014 - 2015</b>
DGMUW 1445-16U	<b>2.470,0 kVA</b> 590 V 54,0 min-1	<b>WÄRTSILÄ Deutschland GmbH</b> Wellengeneratoren HHI Knutsen Shaft Generator	<b>4</b>	<b>South Korea</b>	<b>7-8 / 2015</b>
DGMUW 1440-16U	<b>3.350,0 kVA</b> 590 V 77,0 min-1	<b>WÄRTSILÄ Deutschland GmbH</b> MAN Dalian-Wärtsilä SAM Electr Shaft Generator		<b>China</b>	
DGMUW 1428-16US	<b>2.240,0 kVA</b> 630 V 66,0 min-1	<b>WÄRTSILÄ Deutschland GmbH</b> SAM Electronics GmbH Shaft Generator	<b>2</b>	<b>China</b>	<b>6-12 / 2014</b>
DGMUW 1128-16U	<b>970,0 kVA</b> 590 V 61,0 min-1	<b>WÄRTSILÄ Deutschland GmbH</b> Wellengenerator Shanhaiguan - Shaft Generator	<b>2</b>	<b>China</b>	<b>9 / 2014</b>
DGMUW 1428-16U	<b>2.240,0 kVA</b> 630 V 66,0 min-1	<b>WÄRTSILÄ Deutschland GmbH</b> SAM Electronics GmbH Shaft Generator	<b>3</b>	<b>China</b>	<b>2013 - 2014</b>
DGKSW 6328-4US	<b>2.250,0 kVA</b> 825 V 840,0 min-1	<b>WÄRTSILÄ Deutschland GmbH</b> Polarstern - Wärtsilä SAM Elec Shaft Generator		<b>Germany</b>	
DGMUW 9020-16U	<b>700,0 kVA</b> 530 V 100,8 min-1	<b>WÄRTSILÄ Deutschland GmbH</b> Sirius Avic Dingheng AD0030/AD Shaft Generator		<b>Sweden</b>	
DGMUW 1131-16U	<b>1.035,0 kVA</b> 590 V 61,0 min-1	<b>WÄRTSILÄ Deutschland GmbH</b> WG Quidao Beihai - SAM Shaft Generator	<b>2</b>	<b>China</b>	<b>8-12 / 2013</b>
DGMUW 9035-16U	<b>640,0 kVA</b> 590 V 65,0 min-1	<b>WÄRTSILÄ Deutschland GmbH</b> Wellengeno KouAn - SAM Shaft Generator	<b>4</b>	<b>China</b>	<b>2012 - 2013</b>

# List of Projects



DGMUZ 1653-16WS	4.968,0 kW / 5.175,0 kVA 4.100 V 64,0 min-1	WÄRTSILÄ Deutschland GmbH WG HHI 2497 - SAM Shaft Generator	4	South Korea	2012 - 2013
DGMUW 1131-16U	1.150,0 kVA 590 V 70,0 min-1	WÄRTSILÄ Deutschland GmbH Wellengeno Yangfan - SAM Shaft Generator	2	China	4 / 2013
DGMUW 1135-16U	1.600,0 kVA 590 V 90,0 min-1	WÄRTSILÄ Deutschland GmbH VT Halter - SAMelectronics Gmb Shaft Generator	1	United States	4 / 2012
DGMUW 1132-16U	2.050,0 kVA 590 V 110,0 min-1	WÄRTSILÄ Deutschland GmbH Wenchong H5538-H5543 - Wärtsil Shaft Generator		China	
DGMUW 1132-16U	2.050,0 kVA 590 V 110,0 min-1	WÄRTSILÄ Deutschland GmbH Wenchong H5538-H5543 - Wärtsil Shaft Generator		China	
DGMUW 1136-16U	1.575,0 kVA 590 V 66,0 min-1	WÄRTSILÄ Deutschland GmbH Chengxi CX9402 - Wärtsilä Generator		China	
DGMUW 1436-16U	2.450,0 kVA 480 V 57,0 min-1	WÄRTSILÄ Deutschland GmbH Hyundai Mipo Dockyard 8256/825 Shaft Generator		South Korea	
DGMUW 1140-16U	2.200,0 kVA 690 V 81,0 min-1	WÄRTSILÄ Deutschland GmbH Jingling JLZ8180407/08/09 - WS Shaft Generator		China	
DGMUW 1140-16U	2.200,0 kVA 690 V 81,0 min-1	WÄRTSILÄ Deutschland GmbH Jingling JLZ8180407/08/09 - WS Shaft Generator		China	
DGMUW 1140-16U	2.200,0 kVA 690 V 81,0 min-1	WÄRTSILÄ Deutschland GmbH Jingling JLZ8180407/08/09 - WS Shaft Generator		China	
DGMUW 1140-16U	2.200,0 kVA 690 V 81,0 min-1	WÄRTSILÄ Deutschland GmbH Jingling JLZ8180407/08/09 - WS Shaft Generator		China	
DGMUW 1140-16U	2.200,0 kVA 690 V 81,0 min-1	WÄRTSILÄ Deutschland GmbH Jingling JLZ8180407/08/09 - WS Shaft Generator		China	
DGMUW 1145-16U	2.130,0 kVA 690 V 70,6 min-1	VEM MOTORS ASIA PTE LTD Jiangnan H2673- VEM motors Asi Shaft Generator		China	
DGMUW 1145-16U	2.130,0 kVA 690 V 70,6 min-1	VEM MOTORS ASIA PTE LTD 86K VLGC Jiangnan H2727 - VEM Shaft Generator		China	
DGMUW 1145-16U	2.130,0 kVA 690 V 70,6 min-1	VEM MOTORS ASIA PTE LTD 86K VLGC Jiangnan H2728 - VEM Shaft Generator		China	
DGMUW 1145-16U	2.130,0 kVA 690 V 70,6 min-1	VEM MOTORS ASIA PTE LTD 86K VLGC Jiangnan H2729 - VEM Shaft Generator		China	
DGMUW 1145-16U	2.130,0 kVA 690 V 70,6 min-1	VEM MOTORS ASIA PTE LTD 86K VLGC Jiangnan YH27XX-VEM m Shaft Generator		China	
DPMUW 1140-28U	1.925,0 kW / 2.094,0 kVA 556 V 54,0 min-1	WÄRTSILÄ Deutschland GmbH PMSG HSHI Korea H8105 - Wärts Shaft Generator		Russia	
DGMUW 1436-16U	2.670,0 kVA 690 V 57,0 min-1	WÄRTSILÄ Deutschland GmbH HMD 8360-8365 - Wärtsilä SAM E Shaft Generator		South Korea	
DGMUW 1436-16U	2.670,0 kVA 690 V 57,0 min-1	WÄRTSILÄ Deutschland GmbH HMD 8360-8365 - Wärtsilä SAM E Shaft Generator		South Korea	

# List of Projects



<b>DGMUW 1436-16U</b>	<b>2.670,0 kVA</b> 690 V 57,0 min-1	<b>WÄRTSILÄ Deutschland GmbH</b> HMD 8360-8365 - Wärtsilä SAM E Shaft Generator		<b>South Korea</b>	
<b>DGMUW 1436-16U</b>	<b>2.670,0 kVA</b> 690 V 57,0 min-1	<b>WÄRTSILÄ Deutschland GmbH</b> HMD 8360-8365 - Wärtsilä SAM E Shaft Generator		<b>South Korea</b>	
<b>DGMUW 1436-16U</b>	<b>2.670,0 kVA</b> 690 V 57,0 min-1	<b>WÄRTSILÄ Deutschland GmbH</b> HMD 8360-8365 - Wärtsilä SAM E Shaft Generator		<b>South Korea</b>	
<b>DGMUW 1145-16U</b>	<b>2.250,0 kVA</b> 690 V 72,0 min-1	<b>VEM MOTORS ASIA PTE LTD</b> Jiangnan H2756 & H2757, 93k - Shaft Generator		<b>China</b>	
<b>DGMUW 1145-16U</b>	<b>2.240,0 kVA</b> 690 V 72,0 min-1	<b>WÄRTSILÄ Deutschland GmbH</b> JGNSY Petretec H2735-40 - Wärt Shaft Generator	<b>16</b>	<b>China</b>	<b>1 / 2022</b>
<b>DGMUW 1140-16U</b>	<b>2.002,0 kW / 2.130,0 kVA</b> 690 V 100,0 min-1	<b>VEM MOTORS ASIA PTE LTD</b> Wenchong H5509 - VEM motors As Shaft Generator		<b>China</b>	
<b>DPMUW 1645-36U</b>	<b>4.684,0 kVA</b> 575 V 59,0 min-1	<b>WÄRTSILÄ Deutschland GmbH</b> MAERSK II PMSG 1600/ 119666 - Shaft Generator		<b>China</b>	
<b>DGMUW 1140-16U</b>	<b>1.350,0 kVA</b> 690 V 48,0 min-1	<b>WÄRTSILÄ Deutschland GmbH</b> Wärtsilä SAM Electronics - HAM Shaft Generator	<b>4</b>	<b>China</b>	<b>4 / 2023</b>
<b>DGMUW 1150-16U</b>	<b>2.200,0 kW / 2.500,0 kVA</b> 690 V 71,0 min-1	<b>VEM MOTORS ASIA PTE LTD</b> 98k VLCC Wanhua // Pacific - V Shaft Generator		<b>China</b>	



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Photos: René Jungnickel, René Gaens (S. 7, 10)

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VEM-HS-NS-2018-05

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