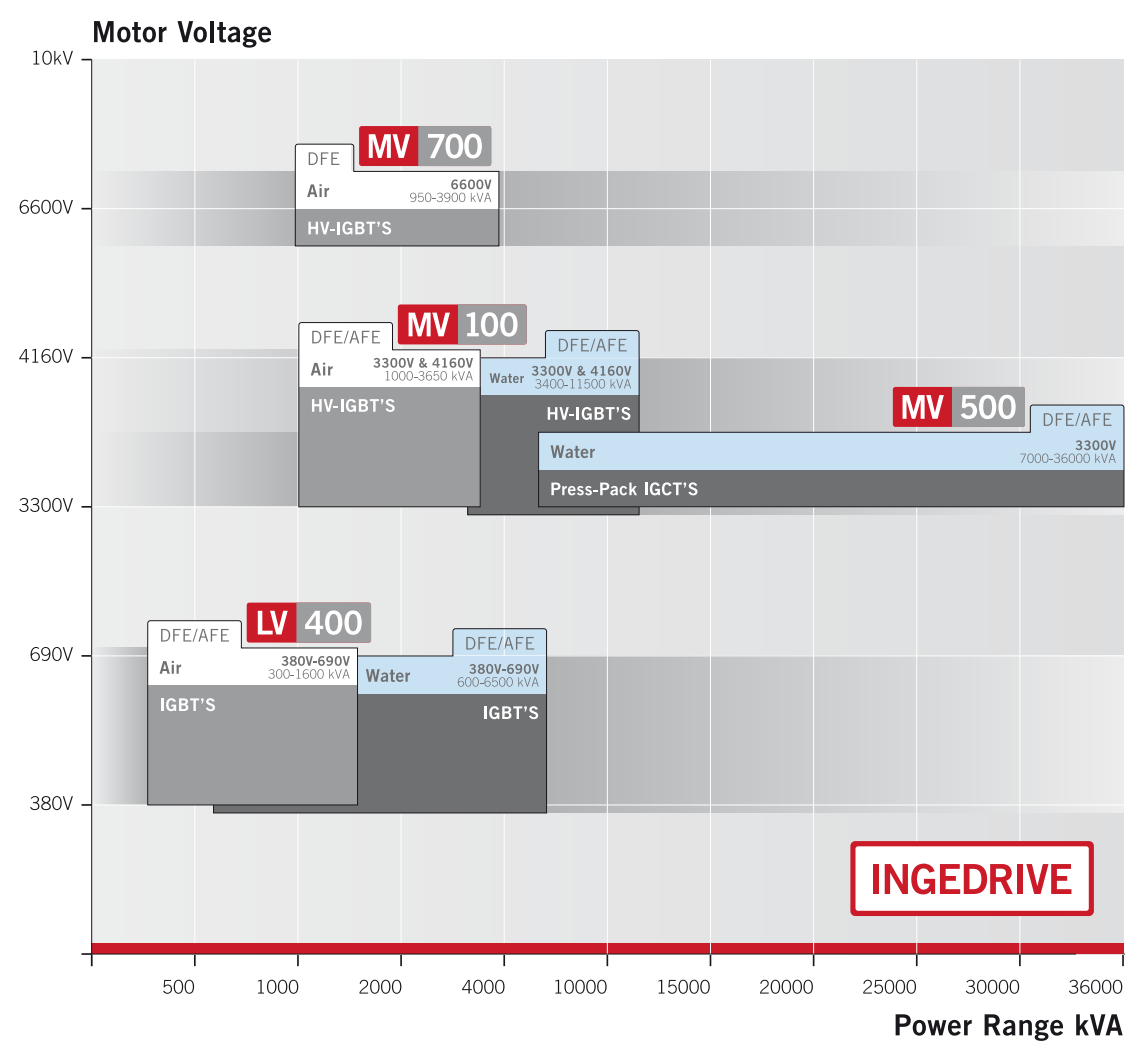


## Product Range

INGEDRIVE™ offers different configuration options depending on your needs, such as non-regenerative systems, 6, 12, or 24-pulse DFE or AFE regenerative systems, as follows:

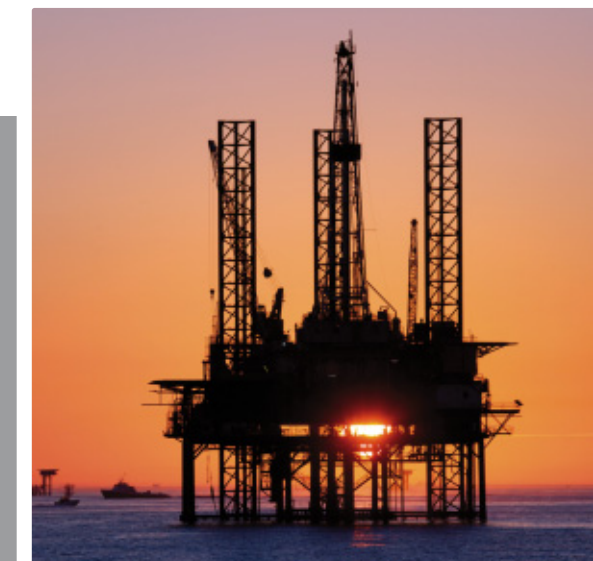
- **LV400** (low-voltage AC drive based on IGBTs. Air and water cooled)  
6P DFE, 12P DFE, AFE as standard.
- **MV100** (medium-voltage AC drive, based on HV-IGBT modules. Air and water cooled)  
12P DFE, 24P DFE, AFE as standard.
- **MV500** (medium voltage AC drive, based on IGCTs and water cooled)  
12P DFE, 24P DFE, AFE as standard.
- **MV700** (medium voltage AC drive, based on HV-IGBT modules. Air cooled)  
24P DFE as standard.

**N.B.:** The AFE topology makes it possible to work with a unit power factor with lowest harmonics throughout the application's entire functional range. A further advantage in AFE systems is the regeneration of the motor's kinetic energy during braking, resulting in a highly-efficient configuration.



**Ingeteam**

## Variable speed drive system in the Oil&Gas industry



**Ingeteam**

**POWER & CONTROL MODULES**

Low Voltage Medium Voltage Control Modules



**LV 400** Air



**LV 400** Water



**MV 100** Water



**PMM**  
Power Management  
Module



**CCU**  
Converter  
Control Unit

**AC DRIVES**

Low & Medium Voltage Drives / Air & Water cooled

Frequency converters



**LV 400** 380-690V

300 kVA - 1600 kVA  
DFE (6 or 12 pulse) or AFE (IGBTs)  
2 level inverter (IGBTs)  
Air



**LV 400** 380-690V

600 kVA - 6500 kVA  
DFE (6 or 12 pulse) or AFE (IGBTs)  
2 level inverter (IGBTs)  
Water



**MV 100** 3.3-4.16 kV

1000 kVA - 11500 kVA  
DFE (12 or 24 pulse) or AFE (HV-IGBTs)  
NPC 3 level inverter (HV-IGBTs)  
Air or water



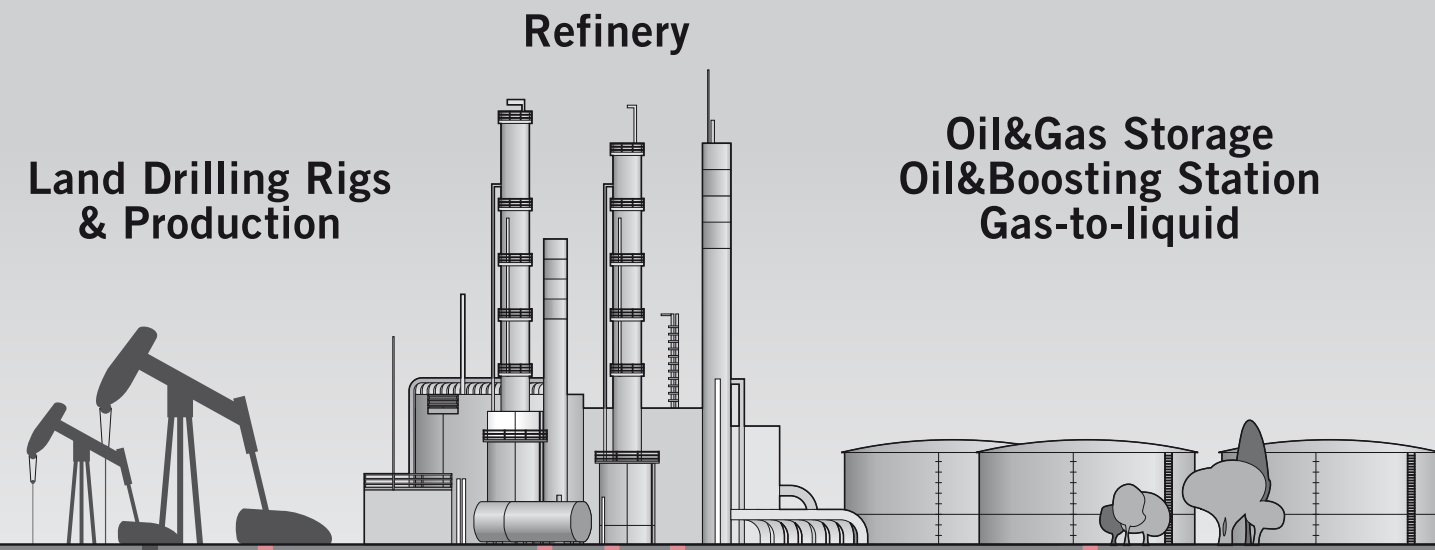
**MV 500** 3.3 kV

7000 kVA - 36000 kVA  
DFE (12 or 24 pulse) or AFE (press-pack IGCTs)  
NPC 3 level inverter (press-pack IGCTs)  
Water



**MV 700** 6.6 kV

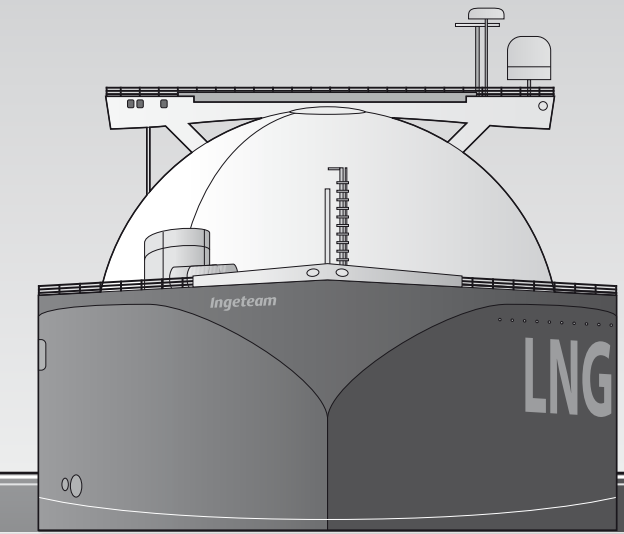
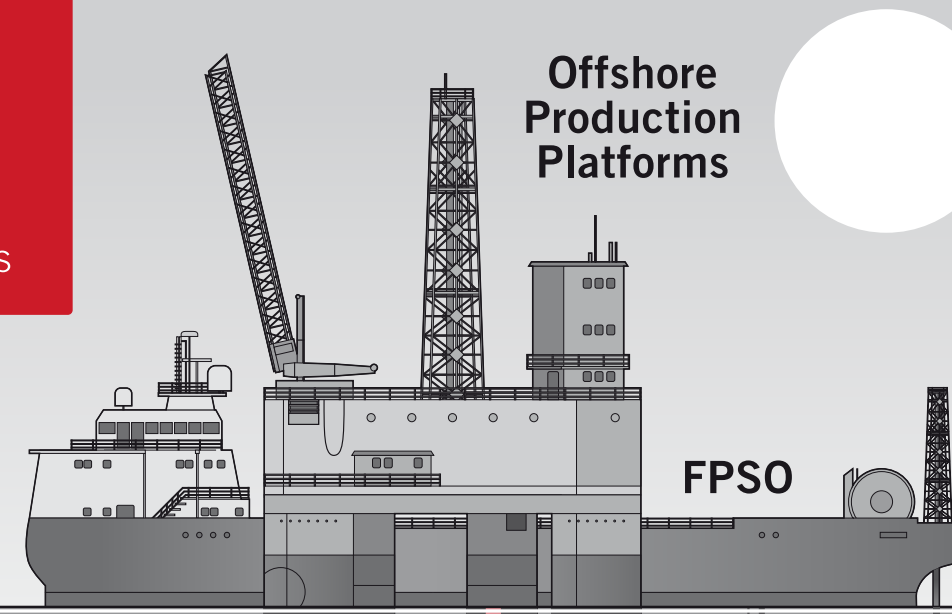
950 kVA - 3900 kVA  
DFE (24 pulse)  
5 level inverter (HV-IGBTs)  
Air



**Upstream**  
Exploration & Production

**Midstream**  
Transportation & Storage

**Downstream**  
Refinery & Petrochemical plants



**Subsea Production**