

**National
Dealer
Conference
2024**

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**Sales Engineer,
Industry South Asia**

CUE & E-pump

GRUNDFOS 

Possibility in every drop



Grundfos iSolution

Grundfos iSOLUTIONS



CONTROL

Hydro-MPC
Control MPC
Control DC
LC231/241



COMMUNICATION

Modbus RTU/TCP
Profibus / Profinet
BACnet
LON
Ethernet IP
3G/4G

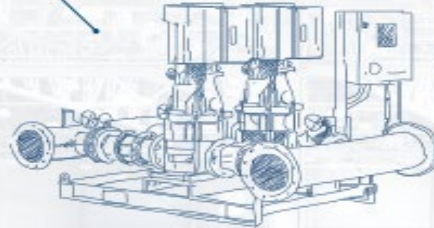


INSTRUMENTATION

Pressure
Level
Flow
Temperature



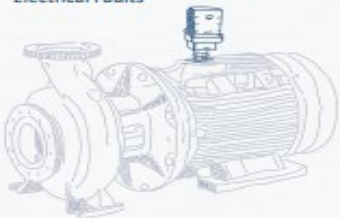
E-PUMPS



Digital Services

GMH

Unbalance / Misalignment
Rotating Mechanical Looseness
Vibration
Temperature
Magnetic Field
Bearing Wear
Electrical Faults



GIM

Vibration
Temperature
Dry Running
Cavitation
Whater Hammer
Unbalance
Motor Speed



Grundfos Pumps

We have the largest portfolio in the market



CR



NB(G)/NK(G)



MACHINE
TOOLS



DOSING &
DISINFECTION



BMS

And much more...

Pump as a Service



RENTING/RENTAL

Pay a monthly fee to use one of our pumping systems. We include transfer and commissioning, maintenance, guarantee and also the uninstall service and the return when the contract is over.

GRUNDFOS ENERGY EARNINGS

Forget about investments! We invoice you a monthly fee depending on your energy savings. When the contract is over, pumping equipment will belong to you.

FLOW/PRESSURE-AS-A-SERVICE

Pay a monthly fee and Grundfos will ensure the Nominal Flow or Pressure agreed with you. No matter the equipment we need for that. During the given period of time, Grundfos will maintain and guarantee the equipment. When the contract is over, pumping equipment will belong to you.

Service Offerings



SERVICE
AGREEMENTS



SERVICE
OPERATIONS

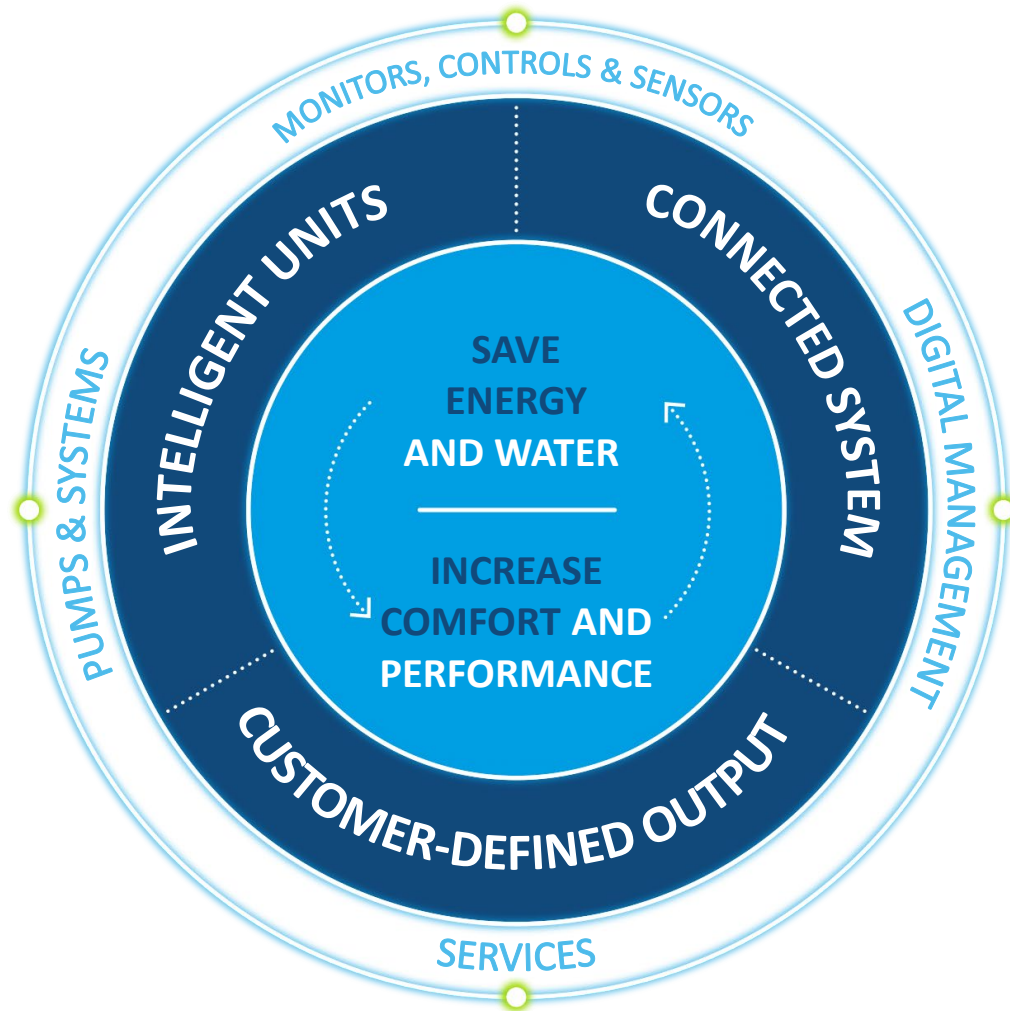


REPAIR
SERVICES



OPTIMIZATION
SERVICES

Grundfos iSOLUTIONS helps you to overcome these challenges while increasing reliability and system performance



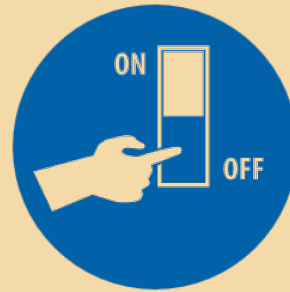
Grundfos iSOLUTIONS helps you **optimise** your water reuse or decentralised water treatment system more **effectively and cost-efficiently** while at the same time securing the right water quality and reducing overall TOTEX.

Common challenges in pumping system:

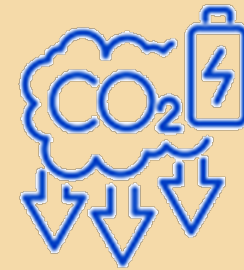
- Oversized pumps
- Uncontrolled pumps
- Pumps with low efficiency (Total efficiency)



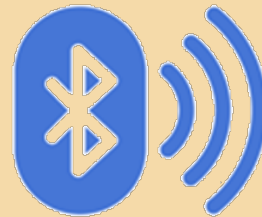
The **NEW** MGE – What's **NEW**?



SAFE TORQUE OFF (STO)*



HIGH EFFICIENCY (IE5)



BLUETOOTH



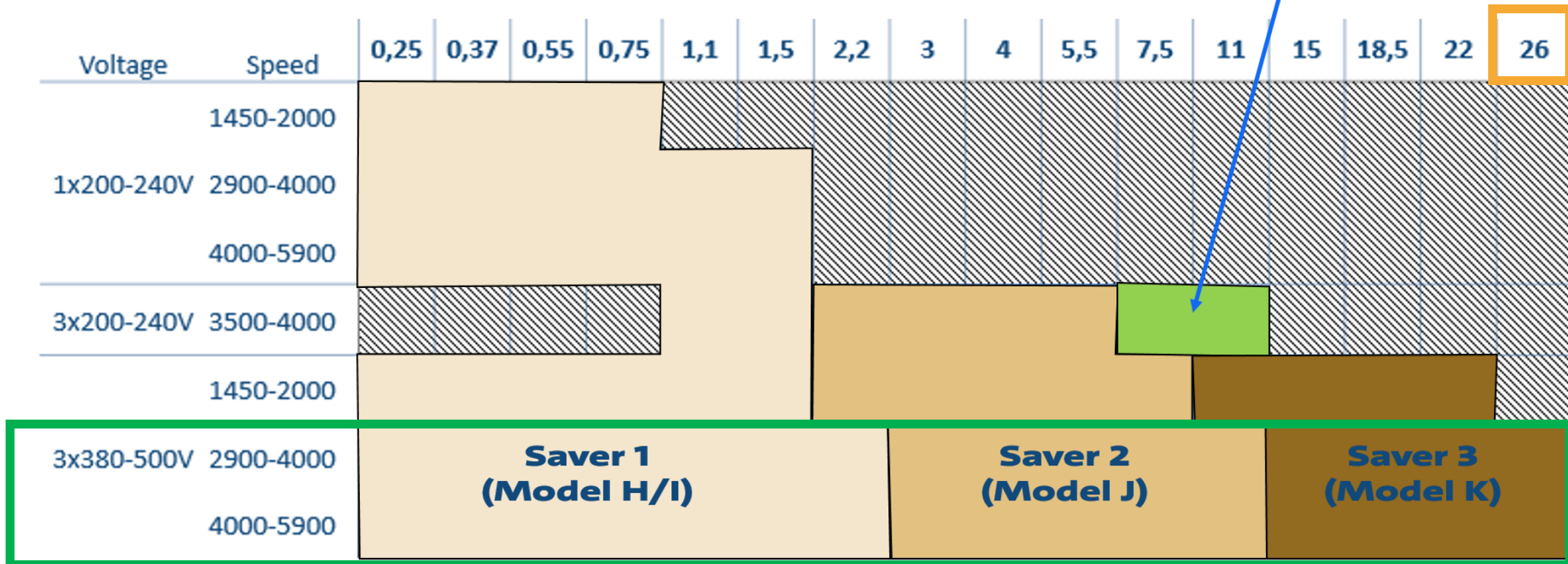
IN-BUILT MODBUS

*All 3 phase MGE will come with STO. 1 phase is not available

MGE Ultra Premium IE5 Control Motor Range



Low voltage MGE for Japan (Dec 2024)



A new level of intelligence using CUE



Use CUE for variable speed on these Grundfos products

Why to Sell CUE ?



CO2
EMISSIONS

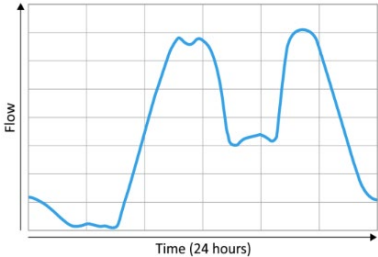
Improve
Grundfos
Solution

70%
S-Pump
controlled
by other
VFD

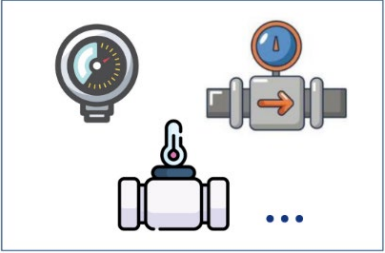
Improve
Condition
of the
system



When to use CUE ?



Flow can fluctuate over time

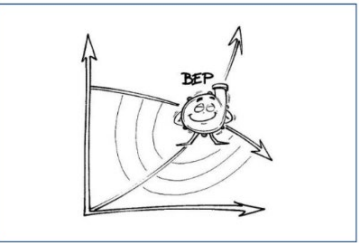


Keep Constant any variable

Application

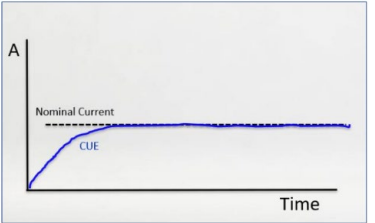


Limit Water Hammer, system pressure and leakages

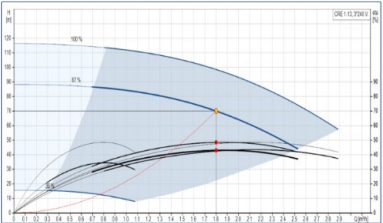


Run on Best Efficiency point

System



Never overpass "Nominal Current" in start



Pump can't run at 100% speed

Design Requirements

