

# Netcongestie is geen eindpunt: Slimme technologie als hefboom voor flexibiliteit



Frederik  
Leempoels

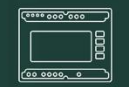
Business Development Manager  
Sustainable Energy Solutions

# Technology as part of the **solution** for Gridcongestion



**ACER**  
European Union Agency for the Cooperation of Energy Regulators

COMMISSION REGULATION (EU) 2016/631 of 14 April 2016 establishing a network code on requirements for grid connection of generators – Requirements for Generators (RfG)



MEASUREMENT DEVICE



BATTERY



SOLAR



GENSETS



DC CHARGING



AC CHARGING



WIND

MODBUS TCP



DATA HUB



MQTT



MINT CORE  
ONSITE CONTROLLER



REGULATION (EU) 2019/881 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 17 April 2019 – Cybersecurity Act (IEC 62443-norm) – CRA



FINANCIAL SERVICE PROVIDERS

EXTERNAL

FINANCIAL SERVICES PROVIDERS

- OPTIMIZER
- DAYAHEAD
- BRP
- IMBALANCE
- BSP
- FCR<sub>a</sub>
- FSP
- aFRR



CLOUD SERVICES

INTERNAL

- CONFIGURATION
- VISUALISATION
- ALARMING
- PLANNING
- USER INTERFACE
- ESG DATAREPORTING
- API
- ERP (SAP)
- ADX CUSTOM REPORTING

Financial Service  
Providers = RtM

BRP

FCR

BSP

aFRR

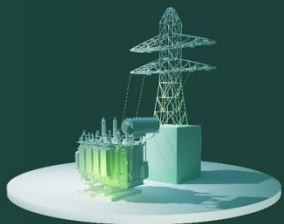
FSP

IMBALANCE

OPTIMIZER

DAY AHEAD





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# MINT AI-enhanced energy management

a solution by Phoenix Contact

Thank you



'The entire energy market in one solution.'

1 MINT Core

1 DataHub connection

101 possible combinations for the energy market.

# Useful Links

Portal – [portal.mint-ems.com](https://portal.mint-ems.com)

MINT Page – [phoenixcontact.com/nl-be/industrieen/mint](https://phoenixcontact.com/nl-be/industrieen/mint)

MINT Download page – [phoenixcontact.com/nl-be/industrieen/mint/mint-downloads](https://phoenixcontact.com/nl-be/industrieen/mint/mint-downloads)