

How can digitalisation in industrial electric motor driven systems contribute to saving more energy?

We invite you for a discussion on "digitalisation in industrial electric motor driven systems" organised by the IEA 4E EMSA (Electric Motor Systems Annex).

Following the presentation of the latest results of the EMSA research on digitalisation, we would like to discuss with you on market and technology trends as well as energy effects, best practices and policies.

EMSA is part of the IEA Technology Collaboration Programme 4E: <u>www.iea-4e.org/emsa.</u>

 Date
 19 September 2023

 Time
 13.00 - 15.00 CEST

 Format
 ZOOM

Registration:

https://us02web.zoom.us/meeting/register/tZwrd-GuqT0rHN1Ou36qldBfEyFcQLEL9vru

Part 1: Technologies, market trends (13.00-14.10)

13.00	Welcome	Maarten van Werkhoven
	Introduction: EMSA research on technologies	Konstantin Kulterer
13.10	Digitalisation and electric motor systems	Ronald Piers, European Commission
13.20	Overview of use cases	EMSA
13.25	Example of digitalisation	Samotics, Netherlands
13.35	Discussion: technological trends, business models	Maarten van Werkhoven

Subjects for discussion:

- 1) Market situation of digitalisation of motor systems; what trends can be observed?
- 2) Main drivers for digitalisation? Can energy efficiency become a driver for digitalisation?
- 3) What is the business model for digital energy efficiency solutions? What are the value propositions?

Part 2: How to bring to market (14.10 - 15.00)

- 14.10 Results of previous and current EMSA research on drivers, barriers and policies
- 14.20 Discussion: market framework, policy interventions
- 14.55 Conclusions
- 15.00 End

Subjects for discussion:

- 1) What are major hurdles, e.g. sharing data between end-user and supplier, lack of skills, end user company size, real value proposition, others?
- 2) Is there a need for improved standardisation in certain aspects of digitalisation?
- 3) Is there a need for market change and if so, in which way? (e.g. capacity building, alignment to other activities like energy monitoring systems)
- 4) What policy instruments were introduced and proved useful for driving digitalisation in motor systems?
- 5) How could policies/policy makers help to accelerate digitalisation of motor systems?

Konstantin Kulterer, Roger Nordman, Rita Werle Maarten van Werkhoven

Maarten van Werkhoven



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