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Global Motor Systems Network



EMSA Newsletter no. 3/2012 - Zurich October 2012

Dear ,

Welcome to the latest edition of the Electric Motor Systems Annex ([EMSA](#)) Newsletter. We hope you enjoy our new design. The number of our readers is ever-growing, now reaching some 3'358 people from 73 countries. We appreciate your valuable feedback and comments. We also invite you to join the expert discussions at the new [Motor Systems Forum](#).

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Events

The next [Motor Summit](#) will take place in Zurich Switzerland from 5 to 6 December 2012. Program and registration: www.motorsummit.ch

Program overview:

Tuesday 4 Dec	Wednesday 5 Dec	Thursday 6 Dec
EMSA Workshops*	MS'12 International Day	MS'12 Swiss Day
English	English	German
Policy	am session	am session
Motor Tools	Lunch	
Testing	pm session	pm session
	MS'12 Dinner	

*Places are limited

Recommended hotels:

- Glockenhof www.glockenhof.ch
- Seidenhof www.seidenhof.ch
- Leoneck www.leoneck.ch
- Limmathof www.limmathof.com

Special hotel rates for Motor Summit participants until 26 October 2012.

Prior to the Motor Summit on 4 December 2012 three EMSA Workshops will be held at the same venue:

- [Policy](#): 8:30 - 11:30
- [Motor Tools](#): 12:00 - 14:00, training session until 16:00
- [Testing](#): 14.30 - 17:00

Places are limited. Registration: www.motorsummit.ch

EMSA at 3GF

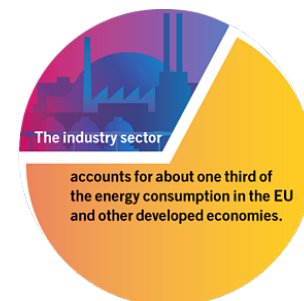
The [Global Green Growth Forum](#) 3GF, a global public-private partnership for green growth, was held from 8 to 9 October 2012 in Copenhagen, Denmark. 3GF was launched in 2011 by the Governments of Denmark, Korea and Mexico. EMSA was represented in the session about [energy performance indicators for motor systems](#).

EEMODS'13 in Rio de Janeiro

The international conference on energy efficiency in motor driven systems [EEMODS'13](#) will be held from 28 to 30 October 2013 in Rio de Janeiro, Brazil. The deadline for [submitting abstracts](#) is 17 December 2012.

eceee 2012 Summer Study

The [eceee Summer Study on energy efficiency in industry](#) was held from 11 to 14 September 2012 in Arnhem, the Netherlands. This was the first Summer Study in eceee's history specifically dedicated to industrial energy efficiency. Participants discussed policies, programmes, the role of financing, energy management systems, outreach, training, technology and systems optimisation to drive industrial energy efficiency.



News

IE2 minimum requirement in China

In China, the [GB 18613-2012](#) standard raised the level of minimum energy performance standards for small and medium three-phase asynchronous motors to IE2 from 1 September 2012.



China drafts minimum requirement for permanent magnet motors

The China National Institute of Standardization published a [call for comments](#) to the [draft standard](#) "Minimum allowable values of energy efficiency and the energy efficiency grades for permanent magnet synchronous motors".

EU Ecodesign Lot 30 for special motors

A new preparatory study for implementing measures of the Ecodesign Directive Lot 30 for MOTORS AND DRIVES outside the existing European regulation 640/2009 has been started under the leadership of Anibal De Almeida, University of Coimbra, Portugal, covering:



- motors below 750 W and above 375 kW;
- special-purpose inverter duty motors (asynchronous servo motors);
- permanent magnet motors;
- motors cooled by their load (fans), including motors and products under Article 1, points 2(b), (c) and (d);
- drives, such as soft starters, torque or variable speed drives (VSD) from 200W–1 000kW.

All documents are available under www.eco-motors-drives.eu

Technical standards

Testing converter-fed motors accurately

The work on the draft standard IEC 60034-2-3 for converter-fed motors is progressing. A series of tests in Australia, Canada and Europe have been made to secure the accuracy of the test



method. The draft Technical Specification will be published for comments before the end of 2012.

More precise efficiency determination for electric motor tests

The revision of the general test method of electric motors IEC 60034-2-1 is under way. The efficiency determination procedures have been defined more precisely. A preferred method has been defined. The draft will be published as CDV for comments and vote before the end of 2012.

Expanded scope for efficiency classification of motors

The efficiency classes for motors in IEC 60034-30-1 have been revised and expanded. The scope is now 0.12 kW up to 1000 kW for 2-, 4-, 6- and 8-pole motors capable to be run online. The draft CDV has been published for comments, deadline is 4 January 2013.

To send comments contact your National IEC Committee:
www.iec.ch

4E Electric Motor Systems Annex EMSA

National motor policies on new EMSA website

www.motorsystems.org has a new shape. It features a summary of [national motor policies](#) related to motor systems. The list includes EMSA countries, more countries are to be added. If you have information for your country, contact us: info@motorsystems.org.



New EMSA Motor Systems Forum



You are here > Home > EMSA Forum

Welcome to the EMSA Motor Systems Forum

- Adapting globally harmonized testing and efficiency standards
- Progressing Minimum Energy Performance Standards
- Improving compliance and check testing

The new [EMSA Motor Systems Forum](#) on www.motorsystems.org offers a discussion platform for manufacturers, motor systems users, university researchers, government officials and NGO representatives to advance global market transformation. Current topics are rare-earth materials, advanced motor systems efficiency, motor systems retrofit, integration, use of variable frequency drive.

www.motorsystems.org

Motor systems efficiency video

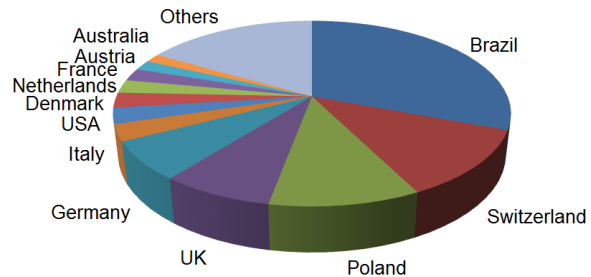
Three Dutch companies explain their vision and practices on implementing energy management systems with a particular focus on motor systems in a [short movie](#) on www.motorsystems.org.



EMSA Motor Systems Tool well received in Brazil

A detailed article on the [Motor Systems Tool](#) was published recently in the Brazilian Journal "Revista Eletricidade Moderna" in Portuguese language. This has given Brazil the lead in the number of downloads (see graph). Congratulations from the developer in Copenhagen to the engineers using it in Sao Paolo!

MST downloads



[Download the Motor Systems Tool](#)

Recently published

IIP new Industrial Efficiency Technology Database

The [Institute for Industrial Productivity](#) has released its new [Industrial Efficiency Technology Database](#). The database contains information about latest and best available technologies, tools and management systems to facilitate the accelerated deployment of energy efficient technologies and practices in industry. Currently, data is available for the [cement](#), [iron and steel](#) sectors and for [motor-driven systems](#).

www.iipnetwork.org

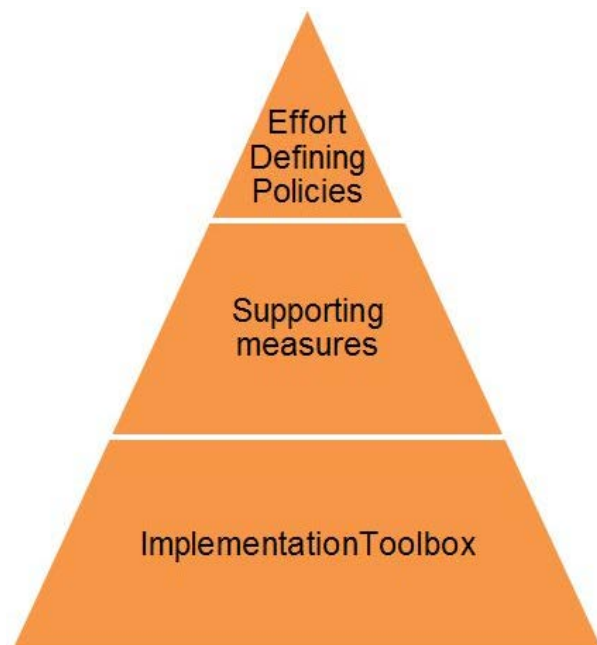


IIP Industrial Efficiency Policy Database expanded

The [Institute for Industrial Productivity](#) (IIP) added six new countries to its [Industrial Efficiency Policy Database](#). Countries now included are:

- Australia
- Canada
- China
- Germany
- India
- Japan
- Netherlands

- Russia
- South Africa
- Thailand
- United Kingdom
- United States



www.iipnetwork.org

Do you like the new EMSA Newsletter design?



You can subscribe to the EMSA Newsletter in English, German, Chinese, Japanese and Russian and download backup copies: www.motorsystems.org/newsletter

If you have any questions or you are running a national motor efficiency program: tell us!

Best regards from Zurich Switzerland,

Conrad U. Brunner & Rita Werle

EMSA Operating Agent & Coordinator

EMSA is the [Electric Motor Systems Annex of the International Energy Agency's Implementing Agreement on Efficient Electrical End-Use Equipment 4E](#). Currently [Australia, Austria, Denmark, Netherlands, USA and Switzerland](#) participate actively in EMSA. [Canada, France, Japan, Korea, Sweden and United Kingdom](#) participate in other 4E Annexes.

The second EMSA program phase is running until 2014.

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