


Global Motor Systems Network



EMSA Newsletter no. 2/2012



Zurich June 2012

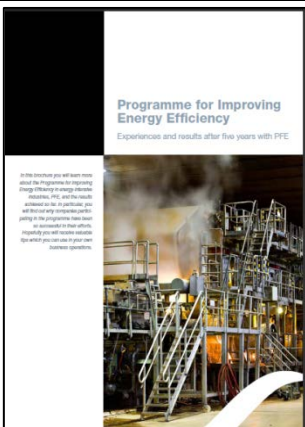
See you all at the Motor Summit 2012 in Zurich in December 2012!


1	<p>This is the latest edition of the Electric Motor Systems Annex (EMSA) Newsletter. We are happy to report that our Newsletter is well-received by 2'908 people from 75 countries. We appreciate the feedback and comments we received so far and are glad to hear back more.</p> <p>You can subscribe to the Newsletter in English, German, Chinese, Japanese and Russian: www.motorsystems.org/emsa-newsletter</p>	 <p>Thomas Burla®</p>
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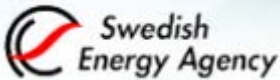
Events																				
2	<p>The next Motor Summit will take place in Zurich Switzerland from 5 to 6 December 2012:</p> <p>Program overview</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr style="background-color: #d3d3d3;"> <th style="width: 33%;">Tuesday 4 Dec</th> <th style="width: 33%;">Wednesday 5 Dec</th> <th style="width: 33%;">Thursday 6 Dec</th> </tr> </thead> <tbody> <tr style="background-color: #d3d3d3;"> <td>EMSA Workshops*</td> <td>MS'12 International Day</td> <td>MS'12 Swiss Day</td> </tr> <tr> <td style="background-color: #d9ead3;">Policy</td> <td style="background-color: #fff2cc;">am session</td> <td style="background-color: #f4cccc;">am session</td> </tr> <tr> <td style="background-color: #d9ead3;">Motor Tools</td> <td colspan="2" style="background-color: #fff2cc;">Lunch</td> </tr> <tr> <td style="background-color: #d9ead3;">Testing</td> <td style="background-color: #fff2cc;">pm session</td> <td style="background-color: #f4cccc;">pm session</td> </tr> <tr> <td></td> <td style="background-color: #fff2cc;">MS'12 Dinner</td> <td></td> </tr> </tbody> </table> <p>*Places are limited</p>	Tuesday 4 Dec	Wednesday 5 Dec	Thursday 6 Dec	EMSA Workshops*	MS'12 International Day	MS'12 Swiss Day	Policy	am session	am session	Motor Tools	Lunch		Testing	pm session	pm session		MS'12 Dinner		 <p>MOTOR SUMMIT 2012</p> <p>Detailed program and registration: www.motorsummit.ch</p> <p>The Motor Summit 2012 will bring together selected experts from research, federal and local government, utilities, motor manufacturers, OEMs, motor systems users and other interested parties.</p>
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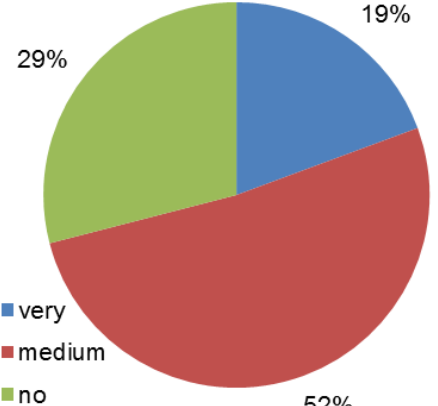
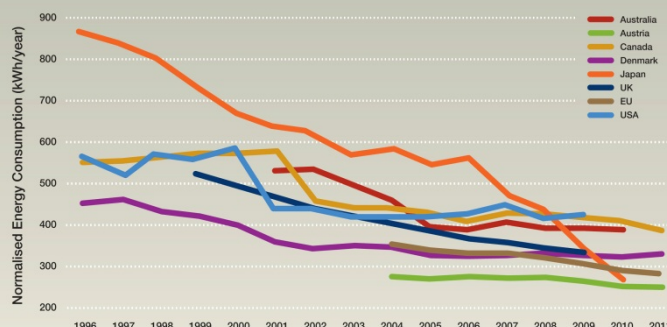

4	<p>The ACEEE Summer Study on Energy Efficiency in Buildings will take place on 12 - 17 August 2012 in Pacific Grove, CA. More information:</p>	 <p>www.aceee.org</p>
5	<p>The eceee Industrial Summer Study will be held from 11 to 14 September 2012 in Arnhem, the Netherlands. More information: www.eceee.org/industry/</p>	
6	<p>The 11th VEM Technical Day will be held on 25 - 26 September 2012 in Wernigerode, Germany. The subject will be: Quo vadis electrical engineering? The move towards power and drive technology systems. More information: www.vem-group.com</p>	
7	<p>The International Rotating Equipment Conference - Pumps and Compressors will take place from 27 - 28 September 2012 in Düsseldorf, Germany. There will be three forums:</p> <ul style="list-style-type: none"> • Pump Users International Forum • Compressor Users International Forum • European Forum for Reciprocating Compressors. <p>More information, registration, program: www.introequipcon.com</p>	

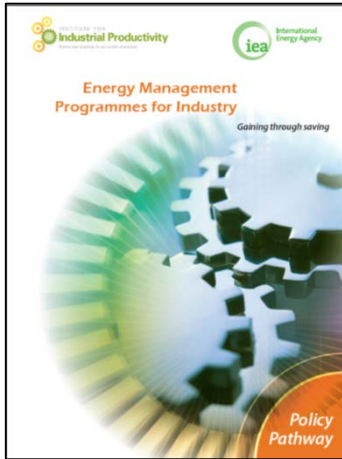
News		
8	<p>The rules for the SEAD Global Efficiency Medal Competition for Electric Motors are currently under development. A draft version of the rules will be distributed for public comment in the coming months. Parties interested in reviewing the draft rules should send their contact information and a brief expression of interest to awards@superefficient.org to be added to the mailing list. The Super-Efficient Equipment and Appliance Deployment (SEAD) is an initiative of the Clean Energy Ministerial and the International Partnership for Energy Efficiency Cooperation (IPEEC).</p>	
9	<p>IMS Research is inviting experts to join the Motor Systems Experts Network. For more information contact Alex Chausovsky: Alex.Chausovsky@ihs.com.</p>	 <p>www.imsresearch.com</p>

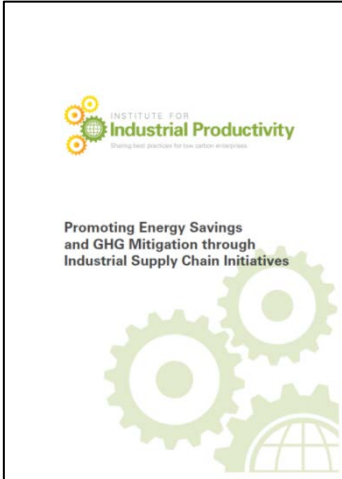
10	<p>The Swedish Programme for Energy Efficiency in Energy Intensive Industry (PFE) has recently been evaluated: 1,45 TWh/a of electricity was saved between 2004 - 2009 by 100 participating firms. The second phase of the program is running until 2014.</p> <p>More information: www.energimyndigheten.se</p>	
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Technical standards		
11	<p>GLOBAL IEC TC2</p> <ul style="list-style-type: none"> • WG12 has discussed the possibility of introducing in the revision of IEC 60034-1 a product registration number on the rating plate. • WG28 has revised the draft Testing Standard IEC 60034-2-1. The preferred testing method for 3-phase motors from 0.75 kW up to 2'000 kW is the summation of losses with stray load losses determined from residual loss. The next CDV will be published in the fall of 2012. • WG28 has revised the draft for the Testing of Converter-fed Motors IEC 60034-2-3. The necessary instrumentation has been more clearly specified and will be published as Technical Specification. The next draft will be published in the fall of 2012. • WG31 has reviewed the comments to the draft Efficiency Classes IEC 60034-30. It will be revised as IEC 60034-30-1 for all kinds of line-fed motors between 0.12 kW and 1000 kW, with 50 V up to 1000 V, and will include Super Premium motors IE4. Later the new standard IEC 60034-30-2 for efficiency classes of converter fed motors will be drafted. <p>GLOBAL IEC SC22G</p> <ul style="list-style-type: none"> • AG15 has started to work on an international efficiency standard for motor systems, in particular a combination of an electric motor with an adjustable speed drive. National standards from the USA, Canada and Europe have been reviewed in order to secure the best available knowledge. If your national committee can support this effort contact the AG15 convenor Martial Patra: martial.patra@schneider-electric.com 	 <p>www.iec.ch</p> <p>If you would like to send comments contact your National IEC Committee: www.iec.ch/dyn/www/f?p=103:5:0</p>

4E & EMSA		
12	<p>EMSA and the Swedish Energy Agency organized a workshop on 9 May 2012 in Stockholm Sweden, at the Royal Institute of Technology. Presentations are available at: www.motorsystems.org/motor-events</p>	 <p>www.energimyndigheten.se/en/</p>

<p>13</p>	<p>The new version of the Motor Systems Tool for optimizing an integrated system of motor, converter and transmission has been published in December 2011. Since then 600 people have downloaded it. The Motor Systems Tool is well received according to a feedback survey.</p> <p>A special training session will be held at the Motor Summit in Zurich on 4 December 2012.</p> <p>Free download: www.motorsystems.org</p>	<p>Is the Tool useful for you?</p>  <p>■ very ■ medium ■ no</p>
<p>14</p>	<p>The IEA 4E Implementing Agreement's Mapping & Benchmarking Annex analyses energy efficiency improvements. The results of the long term research show progress in efficiency and stimulate further efforts through international cooperation. The example of refrigerators around the world:</p> 	<p>Major findings of the Mapping & Benchmarking Annex were submitted to the Clean Energy Ministerial Meeting in London in April 2012.</p>  <p>www.iea-4e.org</p>

<p>Publications</p>																										
<p>15</p>	<p>The International Energy Agency and the Institute for Industrial Productivity published a Policy Pathway "Energy Management Programmes for Industry". The proposed action checklist for implementing an energy management programme is:</p> <table border="1" data-bbox="263 1429 922 1794"> <tr> <td rowspan="3">PLAN</td> <td>1</td> <td>Define the programme role in the policy framework</td> </tr> <tr> <td>2</td> <td>Design the programme</td> </tr> <tr> <td>3</td> <td>Develop the action plan and secure resources</td> </tr> <tr> <td rowspan="2">IMPLEMENT</td> <td>4</td> <td>Provide institutional assistance</td> </tr> <tr> <td>5</td> <td>Promote the programme and recognise achievements</td> </tr> <tr> <td rowspan="3">MONITOR</td> <td>6</td> <td>Establish what to measure and how</td> </tr> <tr> <td>7</td> <td>Assess compliance</td> </tr> <tr> <td>8</td> <td>Communicate results and outcomes</td> </tr> <tr> <td rowspan="2">EVALUATE</td> <td>9</td> <td>Determine what to evaluate and how</td> </tr> <tr> <td>10</td> <td>Revise and adapt the programme</td> </tr> </table>	PLAN	1	Define the programme role in the policy framework	2	Design the programme	3	Develop the action plan and secure resources	IMPLEMENT	4	Provide institutional assistance	5	Promote the programme and recognise achievements	MONITOR	6	Establish what to measure and how	7	Assess compliance	8	Communicate results and outcomes	EVALUATE	9	Determine what to evaluate and how	10	Revise and adapt the programme	 <p>Free download: www.iipnetwork.org</p>
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16	<p>The Institute for Industrial Productivity released the report "<u>Promoting Energy Savings and GHG Mitigation through Industrial Supply Chain Initiatives</u>".</p> <p>The report presents 10 case studies on how buyers influence manufacturers and industrial companies pushing them towards more energy efficiency.</p> <p>Free download: www.iipnetwork.org</p>	
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If you have any questions please feel free to ask. If you are running a national motor efficiency program: tell us!

Best regards from Zurich Switzerland,

Conrad U. Brunner & Rita Werle

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Tel +41 (0)44 226 30 70

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, South Africa, Sweden and United Kingdom participate in other 4E Annexes. The second EMSA program phase is running until 2014.

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