

MOTOR SUMMIT 2010

**7th international
summit for
energy efficiency
powered by
S.A.F.E.**

Energy efficiency improvement is crucial to a sustainable energy future, including energy security, economic development and environmental protection. Electric motors and motor systems in industrial and infrastructure applications together with pumps, fans and compressors in buildings, comprise 40% of the world's total electricity consumption. New and existing technologies offer the potential to reduce the energy demand of motor systems across the global economy by 20% to 30% with short payback periods, if market barriers can be overcome.

The Swiss Agency for Efficient Energy Use (S.A.F.E.), in collaboration with the Electric Motor Systems Annex of the International Energy Agency's Efficient Electrical End-Use Equipment program (IEA 4E EMSA) along with the national SwissEnergy program are pleased to announce the Motor Summit 2010, to be held from 26 to 28 October 2010 in Zurich, Switzerland. The third Motor Summit will continue the tradition of the Motor Summit 07 and 08. Thus, the Motor Summit 2010 will provide an international forum to debate motor system efficiency issues, such as the latest technological innovations, the current state of market penetration as well as strategies and actions to overcome barriers hindering the widespread use of highly efficient motor systems.

The Motor Summit 2010 will bring together selected experts from research, government and the private sector, with the intent of supporting various ongoing processes in the new IEA Implementing Agreement 4E, the EU Energy using Products Ecodesign Directive, the harmonized IEC motor testing and energy classification standards, and the USA law on NEMA Premium Motors MEPS by 2011. The International strategy day is held on 27 October, the Swiss implementation day is on 28 October. On 26 and 28 October two EMSA workshops will be held at the same location on IEA 4E: Testing Centres and New Motor Technology respectively.

S.A.F.E. wants to contribute to the effort of SwissEnergy to reduce energy demand and stabilize electrical energy consumption by 2010 and beyond.

Date

From 26 to 28 October 2010

Organization

Schweizerische Agentur für Energieeffizienz / Swiss Agency for Efficient Energy Use (S.A.F.E.)
www.energy-efficiency.ch

conrad.u.brunner@energy-efficiency.ch
bea.meyer@energy-efficiency.ch
rita.werle@energy-efficiency.ch
Tel +41 (0)44 226 30 70
Fax +41 (0)44 226 30 99

Host

S.A.F.E. (organization)
Topmotors
4E EMSA
SwissEnergy

Partners

AWEL Amt für Abfall, Wasser, Energie und Luft
Energie-Agentur der Wirtschaft (EnAW)
Faktor Verlag AG
Öbu Netzwerk für nachhaltiges Wirtschaften
ProKlima
SEMA
Swissmem
Swiss Technology Network

Sponsors

Bundesamt für Energie BFE / Swiss Federal Office of Energy SFOE
Bernische Kraftwerke (BKW)
Elektrizitätswerke des Kantons Zürich (EKZ)
S.A.F.E.

Exhibitors

Grundfos Pumpen AG
maxon motor ag

Conference registration

The deadline for registrations is 15 October 2010
www.motorsummit.ch (English, Deutsch)

Documentation

A documentation of executive summaries will be handed to all participants at the conference. The full presentations will be made available shortly after the conference to all participants and the public under: www.motorsummit.ch

Conference venue

Zentrum Glockenhof, Sihlstrasse 33,
CH-8001 Zurich
+41 (0)44 225 93 93

Program overview

Monday 25.10.	Tuesday 26.10.	Wednesday 27.10.	Thursday 28.10.	
EMSA Internal meeting	EMSA/ Australia Testing Centres	MS'10 Internat- ional Day	MS'10 Swiss Day	EMSA/UK New Motor Technol- ogy
Members only English	Members plus public English	Open English	Open German	Members plus public English
am session Progress report	am session Progress report	am session Key Note: BFE, Pascal Previdoli	am session Key Note: BFE ECH Michael Kaufmann	am session Progress report
Lunch				
pm session Conclusions	pm session Discussion, Conclusions	pm session	pm session	pm session Discussion, Conclusions
Reception Welcome dinner	Free time	Reception MS'10 dinner	Apero	

Hotel accommodation

Make your reservation directly to one of our three conference hotels (please mention «Motor Summit» to profit from the group arrangement):

Hotel Glockenhof, Sihlstrasse 31, CH-8001 Zürich,
+41 (0)44 225 91 91, www.glockenhof.ch

Single room CHF 300 (including breakfast)
Mail before 24 September 2010 to: info@glockenhof.ch

Hotel Seidenhof, Sihlstrasse 9, CH-8001 Zürich
+41 (0)44 228 75 00, www.seidenhof.ch

Single room CHF 240 (including breakfast)
Mail before 24 September 2010 to: info@seidenhof.ch

Hotel City, Löwenstrasse 34, CH-8001 Zürich
+41 (0)44 217 17 17, www.hotelcity.ch

Single room CHF 165 (including breakfast)
Mail before 24 September 2010 to: hotelcity@hotelcity.ch

Conference fee (including conference documentation)

	CHF	Euro
Complete registration for 27 & 28 October 2010 (including lunch 27 & 28 October, dinner 27 October and reception 28 October)	360	240
Registration for 27 October 2010 International Strategy day (including lunch 27 October, without dinner)	240	160
Registration for 28 October 2010 Swiss Implementation day (including reception and lunch 28 October)	240	160
Registration for dinner 27 October	75	50

Members of EMSA, S.A.F.E., ProKlima, Öbu, SEMA, Swissmem, SwissTnet, Topmotors will receive a discount of 20%.

Payment: You will receive instructions after registration.

MOTOR SUMMIT 2010

The International Day of the MS'10 will bring together competent international speakers to report on their recent findings in energy efficient motor systems and to discuss successful policies for a rapid market transformation.

Motor Summit 2010 International Strategy, Wednesday 27 October		
Time	Topic	Speaker
09:00	Coffee and Registration	
	Introduction	
09:30	Welcome and introduction to MS'10	Conrad U. Brunner, Operating Agent IEA 4E EMSA, Zurich, Switzerland
10:00	Efficient use of electricity: Swiss policy agenda	Pascal Previdoli, Deputy Director Swiss Federal Office of Energy, Bern, Switzerland
	Policy, regulation	
10:20	Current status of motor, pump and fan regulations	Ismo Grönroos-Saikkala, European Commission, Brussels, Belgium
10:40	European fan efficiency regulations	Urs Steinemann, Ingenieurbüro US, Wollerau, Switzerland
	Market, potential	
11:00	EMSA: New Motor technologies	Charles Gaisford, WSP Energy, Abingdon, United Kingdom
11:20	IE4 motors on the horizon	Michael Klein, Baldor Electric Germany GmbH, Kirchheim, Germany
11:40	First results from a global motor market study	Martin Jakob, TEP Energy, Zurich, Switzerland
12:00	Permanent magnet motors, application and efficiency potential	Stefan Berchten, MagnetDrives AG, Zug, Switzerland
12:20	Lunch	
	Standards	
13:30	Small motor standards in the USA	Rob Boteler, NEMA/Emerson, St. Louis, USA
13:50	New IEC standards for motor efficiency classes and testing	Martin Doppelbauer, IEC TC2 WG 28/31, SEW-Eurodrive, Bruchsal, Germany
14:10	Small motors and pump standards in China	Zhang Xin, China National Institute for Standardization CNIS, Beijing, China
14:30	New Motor Standards in India	Milind Rajee, International Copper Promotion Council, Powai, India
14:50	Progress with pumps on a product and systems approach with variable frequency drives	Steve Schofield, BPMA/Europump, West Bromwich, United Kingdom
	Tests	
15:10	Results from motor check tests in Australia	Andrew Baghurst, CalTest, Port Elliot, Australia
15:30	Results of the IEC Round Robin test	Axel Möhle, IEC TC2 WG 28, Loher, Ruhstorf, Germany
15:50	Variable frequency drives testing methods	Pierre Angers, Energy Technology Laboratory, Hydro Quebec, Shawinigan, Canada
	Conclusions	
16:10	Efficient electrical end-use equipment – a global contribution for energy efficiency	Hans-Paul Siderius, Chairman IEA 4E, NL Agency – Energy and Climate Change, Utrecht, The Netherlands
16:30	Panel discussion	EU – IEC – Industry – NEMA
17:50	EEMODS'11 in Washington DC	William Hoyt, NEMA, Rosslyn, VA USA
18:00	End	
19:00	Reception and Dinner	University of Zurich, Tower Restaurant

Motor Summit 2010 Umsetzung in der Schweiz, Donnerstag 28. Oktober		
Zeit	Thema	Vortragende
09:00	Kaffee und Gipfeli, Registrierung	
	Einführung	
09:30	Begrüssung und Tagesziel	Conrad U. Brunner, S.A.F.E., Projektleiter Topmotors, Zürich
10:00	Schweizerische Effizienzpolitik für elektrische Energie	Michael Kaufmann, Vizedirektor BFE, Programmleiter EnergieSchweiz, Bern
	Markt und Effizienz	
10:20	Energetisch effizientere Ventilatoren, neue Normen und europäische Vorschriften	Urs Steinemann, Ingenieurbüro US, Wollerau
10:40	Marktveränderung durch Mindestanforderungen	Martin Sager, BFE, Leiter Sektion Energieeffizienz, Bern
	Motoren in der Industrie	
11:00	Erfahrungen von industriellen Pilotobjekten bei Topmotors	Jürg Nipkow, S.A.F.E., Topmotors, Zürich
11:20	Der Motor-Check bei EnAW Industriekunden	Pascal Fotsch, EnAW, Lemon Consult, Zürich
11:40	Energieeffizientere Anlagen für die Nahrungsmittelindustrie	Fritz Langenegger, Bühler AG, Uzwil
12:00	Super-Premium Motors	Anibal T. de Almeida, University of Coimbra, Portugal.
12:20	Easy: Effizienz für Antriebssysteme	Rita Werle, S.A.F.E., Programmkoordinatorin Easy
12:30	Mittagessen	
	Motoreffizienz heute und morgen	
13:30	Forschungsergebnisse für effizientere elektrische Antriebe in der Schweiz	Roland Brüniger, Forschungsprogrammleiter BFE «Elektrizität», R. Brüniger AG, Ottenbach
13:50	Permanent Magnet Motoren: Einsatzgebiete und Effizienzpotenziale	Markus Lindegger, Circle Motor AG, Gümliigen
14:10	Effiziente Motoren auf dem Prüfstand	Max Schalcher, Swiss Alpine Laboratory for Testing of Energy Efficiency S.A.L.T. und HTW Chur
14:30	Elektrische und mechanische Tests bei Motoren vor Ort	Adolf Marty, SEMA Schweizerischer Verband der Elektromaschinenbauern, Elektromechanik, Antriebstechnik, Ing. Büro, Brunnen
	Effizienzanalyse	
14:50	Software-Tools erleichtern die Effizienzanalyse bei industriellen Anwendern	Thomas Heldstab, hematik, Topmotors, Zürich
15:10	Erfahrungsbericht: Motor-Check in Schokoladefabrik	Bruno Spring, Produktmanager Energieeffizienz, BKW Energie AG, Bern
15:30	Pumpencheck für Wasserversorgung	Beat Kobel, Ryser Ingenieure AG, Bern
	Abschluss	
15:50	Einfluss der Energieeffizienz auf Innovationen, Investitionen und Wachstum: Beispiel Schweiz	Lucas Bretschger, Center of Economic Research, ETH Zürich
16:10	Podiumsdiskussion	Bund – Industrie – Verband – Hochschule
17:20	EEMODS'11 in Washington DC	Conrad U. Brunner, S.A.F.E., Projektleiter Topmotors, Zürich
17:30	Aperitif	

Der Schweizer Tag am MS'10 wird den Start des neuen Schwerpunktes «Effiziente elektrische Motoren und Antriebe» von EnergieSchweiz zeigen.

Fachleute aus den massgeblichen Ämtern von Bund, Kantonen, Städten und Energieversorgungsunternehmen werden zusammen mit Motorenherstellern und -anwendern, Energiefachleuten, etc. diskutieren, wie effiziente Motorensysteme rascher in den Markt gebracht werden können.