



Schweizerische Agentur für Energieeffizienz
Swiss Agency for Efficient Energy Use



swissenergy



Electric Motor Systems
EMSA

topmotors.ch

MOTOR SUMMIT 2014

Workshop TECHNOLOGY

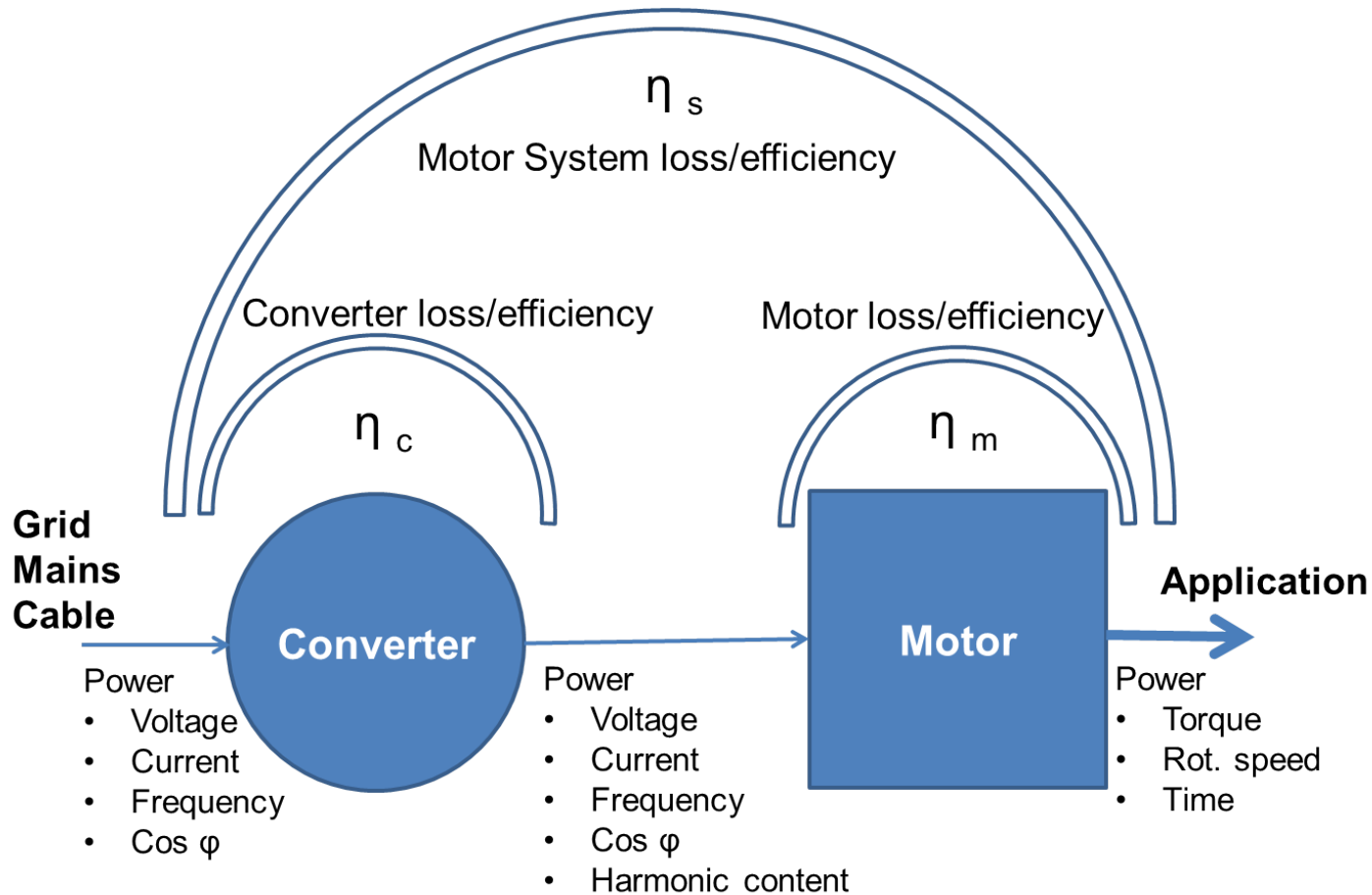
Conrad U. Brunner

7 October 2014

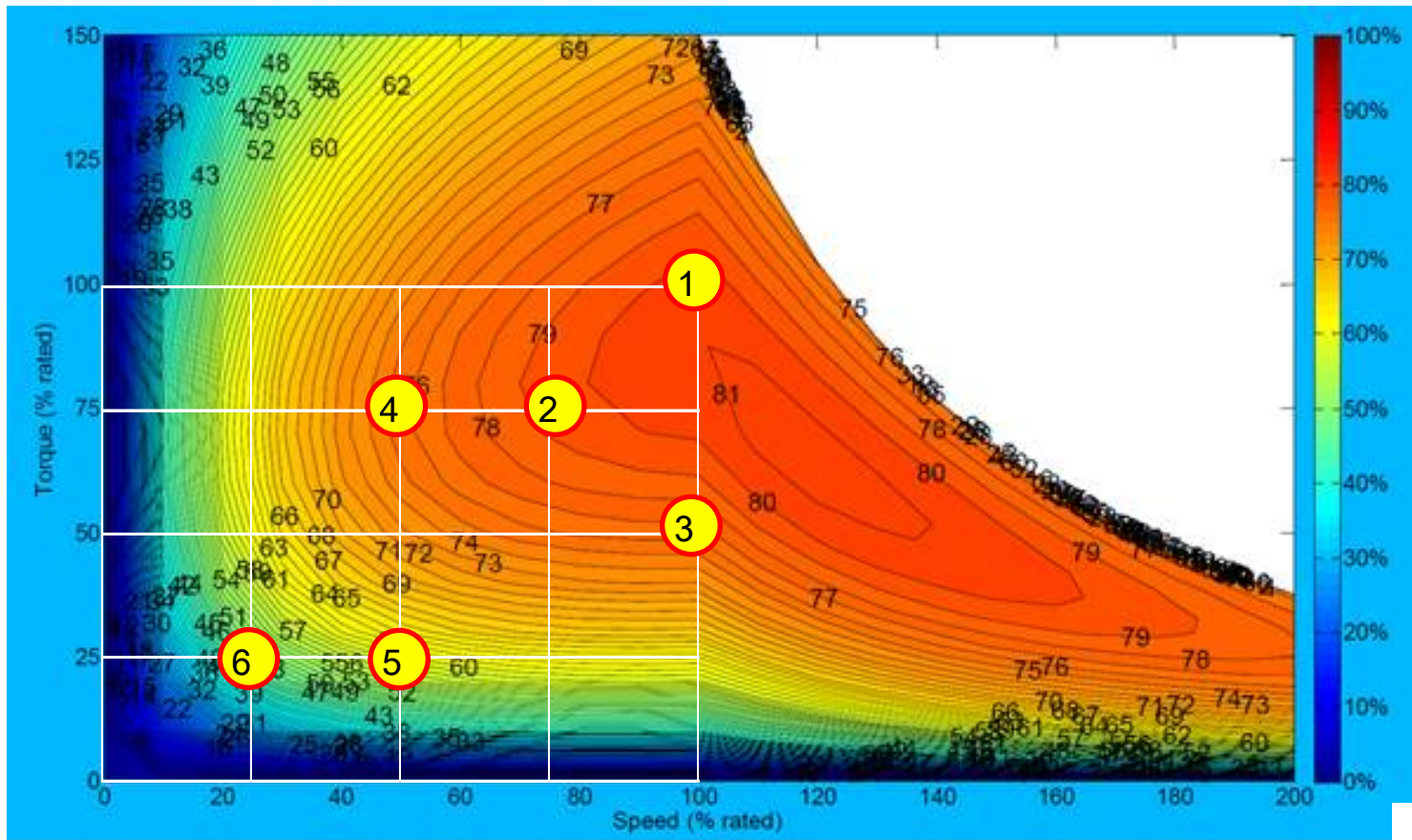
Program of the day

Time	Policy Workshop, Chair: Rita Werle	Speaker
9:00	Policy Guidelines for Efficient Electric Motor Systems	Konstantin Kulterer, Austrian Energy Agency, Austria
	Dutch Long Term Agreements and the new Green Deal	Maarten van Werkhoven, EMSA, Netherlands
	Energy efficiency potentials for different motor system levels	Svetlana Paramonova, Linköping University, Sweden
	New US MEPS for motors and applications	Rob Boteler, Nidec/NEMA, USA
12:00	Lunch	
	Technology workshop, Chair: Conrad U. Brunner	
13:30	Measurements of efficiency for converters and motors in industry reality	Sinan Altındağ, Gamak, Turkey
	The way forward for IEC standards of converters and motors	Tim Schumann, SEW-Eurodrive, USA
	Recent results of efficiency measurements of converters and motors	Pierre Angers, Hydro Quebec, Canada
17:00	SEAD motor award ceremony & reception	

IEC 61800-9-2



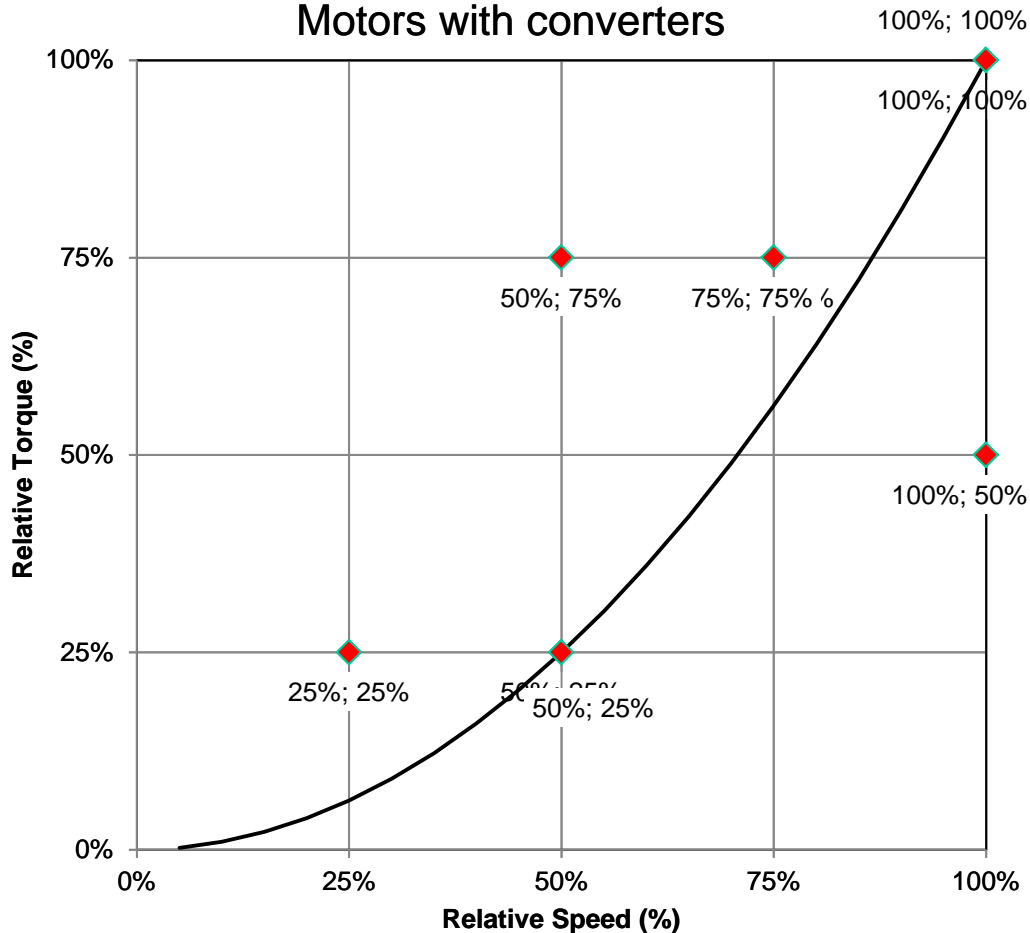
Field of operation – load points



#	f	T	P
1	1	1	1
2	0.75	0.75	0.56
3	1	0.5	0.50
4	0.5	0.75	0.375
5	0.5	0.25	0.13
6	0.25	0.25	0.0625

The SIX points

Six operating points Motors with converters



1. Points relevant for applications
2. Globally harmonized operating points
3. Interpolation possible
4. Same points for motors and converters

Program 7 October 2014 (p.m)

Technology Brunner		Chair: Conrad U.
13:30	<u>Measurements of Efficiencies for converters and motors in industry reality</u>	<u>Sinan Altindag, Gamak, Turkey</u>
14:00	<u>The way forward for IEC standards of converters and motors</u>	<u>Tim Schumann, SEW Eurodrive, USA</u>
14:30	<u>Rescent results of efficienciency measurements of converters and motors</u>	<u>Pierre Angers, Hydro Quebec, Canada</u>
15:00	Coffee Break	
15:30	Discussion	
16:45	End	
17:00 SEAD motor aead ceremony		
18:00	Reception	