

SCO EXPERT POOL

INTERNATIONAL NETWORK OF EXPERTS

SCO EXPERT POOL

CONSULTING & ENGINEERING SERVICES

Design

- » Feasibility study for new electrical machines
- » Design review and expertise for existing machines
- » Mechanical, Electrical & Thermal calculation
- » Special design for machines, tools & jigs
- » Failure analysing & expertise of rotating machine
- » Insulation, conductor & composite technology

Manufacturing

- » Feasibility study for new or existing workshops
- » Manufacturing check-up, analysing & improvement
- » Reorganization of production flow & layout design
- » Basic & turn-key engineering for workshops
- » Project coordination & implementation
- » New manufacturing solutions, processes & equipment
- » Process developing & optimizing

SCO Consulting

Mail info@sco-consulting.com

info@sco-experts.com

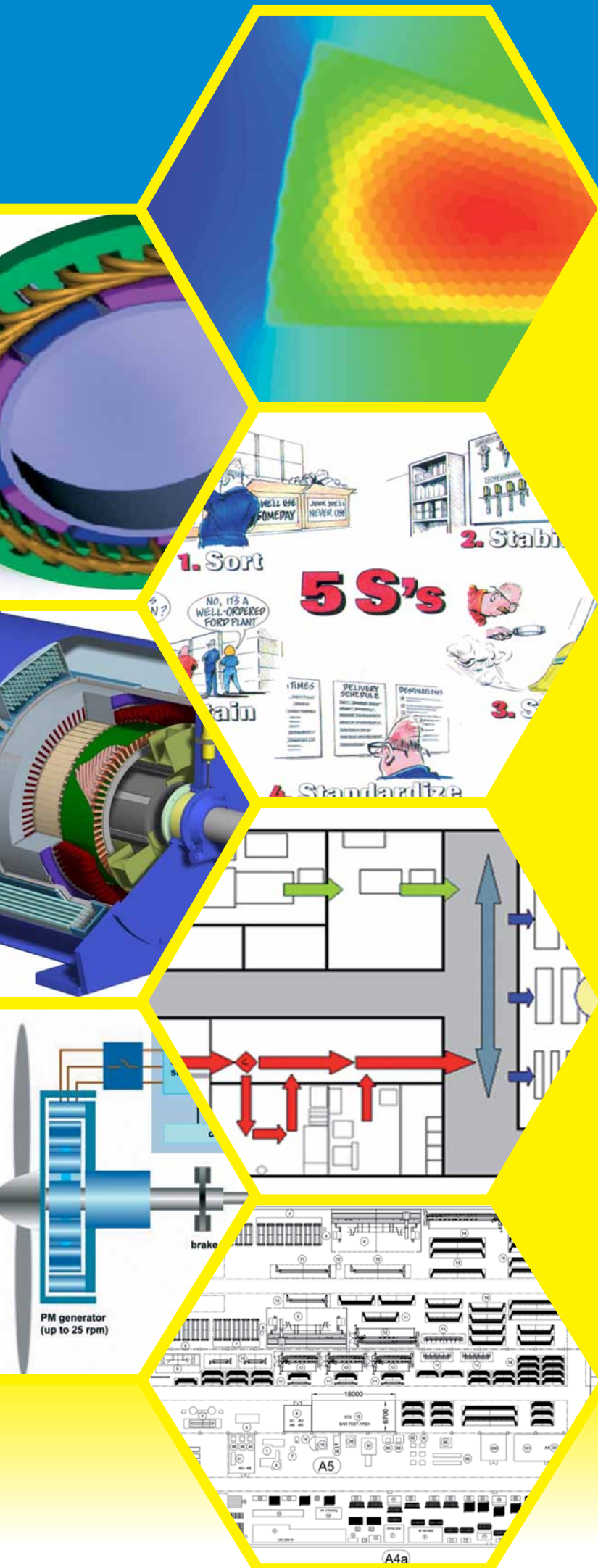
Web www.sco-consulting.com

Salzfasstrasse 23
CH-6006 Lucerne, Switzerland
Phone +41 41 850 90 87



DESIGN & MANUFACTURING
SOLUTIONS FOR

ELECTRICAL ROTATING MACHINES



SCO EXPERT POOL

INTERNATIONAL NETWORK OF EXPERTS

SCO Experts have huge theoretical and practical expertise in design, manufacturing technology of electrical rotating machines.

SCO Experts are independent, working individually or as a SCO Expert pool team for customer projects.

SCO Experts are coordinated by SCO Consulting, they have many years of international experience in the field and is also responsible for the administration part.

DESIGN & MANUFACTURING TECHNOLOGY OF ENVIRON FRIENDLY ELECTRICAL MACHINES

Solutions for electrical rotating machines

GENERATORS

- » Turbo
- » Hydro
- » Wind
- » Diesel
- » Tidal
- » Wave

MOTORS

- » Low voltage
- » High voltage
- » Traction
- » Hybride
- » Propulsion Thruster

FIELD MAGNETS

- » Superconductor Windings

Design & manufacturing technologies

STATOR / ROTOR

- » Core punching & varnishing
- » Structure design & calculation
- » Electrical & thermal calculation
- » PM Magnet technology
- » Stacking & Assembly
- » Impregnation
- » Testing

WINDING

- » Winding, forming, taping brazing technology for:
 - Stator & Rotor bar
 - Superconductor coil
 - Pole coil
 - PM application
- » Joining ring
- » Assembly
- » Impregnation VPI / TVPI / RR
- » Curing
- » Testing

FIELD MAGNETS

- » Superconductor
- » Winding
- » Insulation
- » Assembly
- » Impregnation

