

**SVRI b.v.
Electric Power
Engineering**

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No. 24315768

terms & conditions:

*Our General Terms and
Conditions shall apply to each
and every offer and agreement*

general manager:

ir. J. Stutvoet

**local
representative of:**

*SKM System Analysis inc.,
Redondo Beach, CA (USA)*

**long term
cooperation with:**

*Brush Turbogenerators,
Ridderkerk, NL
(formerly Holec, Smit
Slikerveer)*

HAN University, Arnhem, NL

In 2001 Hans Stutvoet M.Sc. decides to continue his career as a self-employed electric power engineer and starts his company SVRI. 'In this way I can optimally provide and develop my electric power knowledge and experience. And customers can hire me only when they need me.' Hans offers you his services, training courses and software through SVRI.

'My expertise is in the field of generators for industrial use, on ships and in offshore applications. Mostly these generators can run in stand-alone and island operation, but also coupled with a utility grid (on-line). Specific requirements for the design and control and protection system are necessary.'

Although Hans works without staff, he strives to support his customers as broad as possible. Therefore SVRI is distributor of SKM Power Tools software and he delivers some training courses in cooperation with Brush and the University of Arnhem and Nijmegen (HAN). SVRI customers are industrial users, shipyards, contractors and generator manufacturer Brush.

COMPETENCES & SPECIALISATIONS

- Generators
- Protection Relays (ABB Spacom, Areva, Beckwith, CEE, GEC Midos, GE Multilin, Schneider Sepam, SEL)
- Excitation Control Systems, AVR's (Brush Prismic, Basler Decs)
- Synchronisation Systems (ABB Synchrotact, DEIF, Brush)
- MV Systems (grid configuration, neutral grounding, switchgear, distribution transformers, current and voltage transformers)
- Power Systems Analysis (for a basic design)

SERVICES & SOFTWARE

Consultation & Technical Support

- Meetings with your employees, customers or suppliers to discuss a design, product, fault or problem in your system
- Technical support for your design and commissioning engineers

Engineering & Calculations

- Create a basic design
- Short circuit analysis according to the IEC 60909 or IEC 61363
- Load Flow/Voltage Drop studies
- Evaluate bids
- Description of system operation, including all scenarios
- Electrical compatibility, interfacing
- Setting studies: determine settings for protection systems, protective relays, excitation controllers (AVR's) and synchronisation equipment

Training Courses

- Operation & Maintenance of Generators
- Protection of Synchronous Generators
- SKM Power*Tools Software Training Course

*SKM Power*Tools software*

SVRI is distributor of SKM Power*Tools for Windows (PTW) software. SKM Systems Analysis designs and improves electrical engineering software for load flow calculations, short circuit calculations, time/current coordination, motor start simulations, harmonics, etc.