



SP Technical Research Institute of Sweden

Number of employees

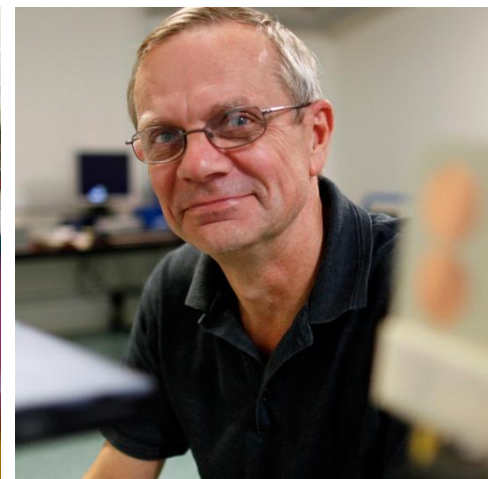
1050

Subsidiary companies

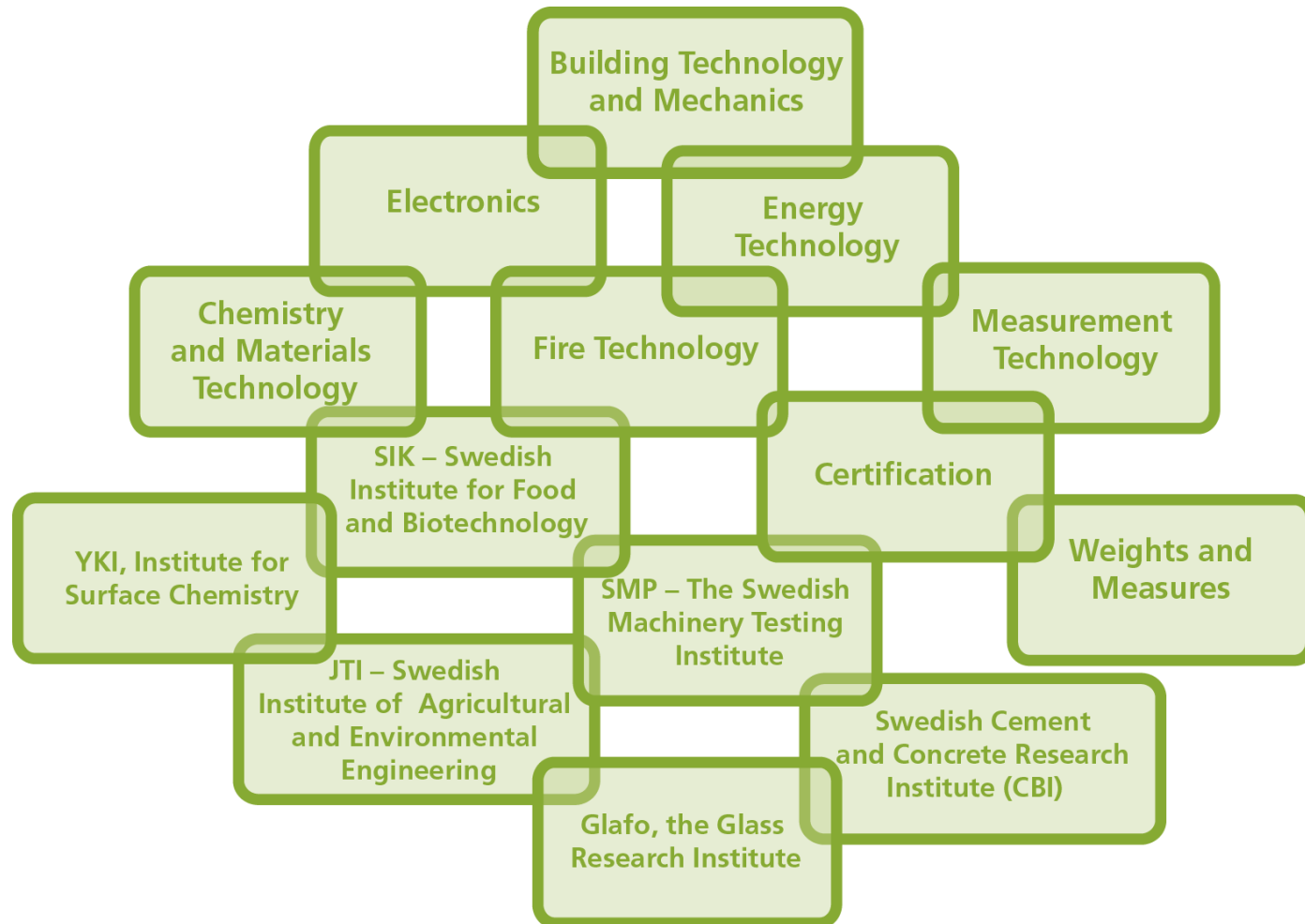
6

Customers

9000



SP group organisation – a wide technical range



Our Core Areas

**Energy and
Environment**



Foods



**Building and
Construction**



**Mechanics and
Automotive Industry**



**Wood Technology and
Wood in Construction**



Electronics and ICT



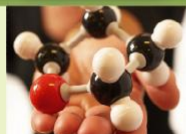
**Fire, Risk,
Safety and Security**



**Measurement Technology
and Calibration**



**Materials Technology
and Chemistry**



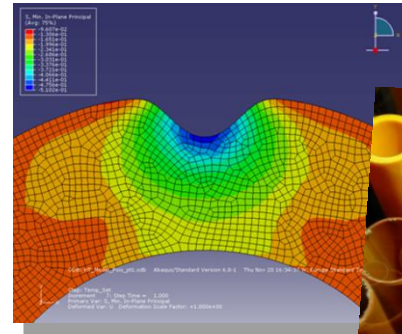
Certification



SP Pipe Centre

Sweden's leading competence centre for pipes and pipe systems

-> Safety, durability and strength in polymer, composite and metal pipe constructions



SP Heat Pumping Technology

SP Heat Pumping Technology is the leading international research environment in the field of heat pumping technology including heating, cooling and airconditioning for homes, offices and industry.



SP Wise Measurements for Smart Grids

A leading research and innovation environment within quality assured measurement technology for Smart Grids.



Certification

SP Certification is one of the leading bodies in the field of certification in Sweden.

- Product certification e.g.
 - Solar collectors
 - District heating sub stations...-> Solar sub stations?
- Management systems for environment, quality and energy management



Ongoing work/ possible contribution

- **Major engagement in European and International standards on solar collectors, collector components and materials**
 - "Fast" track to implementation of results into new standards -> New business opportunities?
- First Solar installers certified -> Education/ certification of designers?
- Global inventory of simulation models and tools
- FC District (IEA DH&C) : New μ -CHP network technologies for energy efficient and sustainable districts
 - Objectives: Optimisation of distributed energy production within a district