



Innovation Standardization & Conformity Assessment

Commercializing Solar Innovation

February 2010



Standardization

A voluntary cooperation between Industry, Consumers, Regulators and other Stakeholders, **for the development of technical specifications based on Consensus**, in order to achieve Interoperability and Interchangeability of Products **and agree on Test Methods to verify Health, Safety and Environmental requirements.**

Innovation

Fast driving force of new technologies and technological improvements, **striving for change and exclusivity.**



Standards => Testing & Measurement =>
Conformity Assessment => Certification =>
Commercialization => **Innovation**

- ❖ **Enable** introduction of complex systems
- ❖ **Facilitate** application of new technologies
- ❖ **Provide** regulators & consumers with trust
in the Safety, Performance and Interoperability
of products based on agreed Test Methods
- ❖ **Create** large scale markets by enabling Product
Liability Insurance

The Standard Institution of Israel - SII



THE STANDARDS INSTITUTION OF ISRAEL

Participation in International Standardization in the early stage is the best opportunity for Israeli initiatives, technologies and/or breakthrough technological platforms.

SII established Mirror Technical Committees that follow closely the work of international TC's and adopt relevant standards while promoting the introduction of new Israeli technologies into international standards.

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- ISO/TC 180** - Solar Energy
- IEC/TC 82** - Solar Photovoltaic Energy Systems
- IEC/TC 88** - Wind Turbines
- IEC/TC 105** - Fuel Cell Technologies
- ASTM E44.05** - Solar Heating and Cooling Systems and Materials
- ASTM E44.09** - Photovoltaic Electric Power conversion

Known Israeli Participants - Solar Edge, MST

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THE STANDARDS INSTITUTION OF ISRAEL

Renewable Energy - SII Cooperates and develops working relations in the field of Photo-Voltaic Systems Testing and Certification

SII will cooperate with:

NIST – US National Institute of Standards & Technology

NREL - US National Renewable Energy Laboratory

DOE - US Department of Energy

Sandia National Laboratories

TUV Rheinland USA (Phoenix, AZ)



Patents Protect

Standards Sell



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www.sii.org.il

Thank You!