



SOLAR RATING
& CERTIFICATION
CORPORATION™

Certifier's Experience with GSCN

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Certifier's Experience with GSCN

Introduction to SRCC

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graph TD; A[Introduction to SRCC] --> B[Role of the GSCN]; B --> C[Promises and Challenges of the GSCN]; C --> D[What's Next for the GSCN?];
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Role of the GSCN

Promises and Challenges of the GSCN

What's Next for the GSCN?



Introduction to SRCC

Who we are and what we do.

About ICC-SRCC



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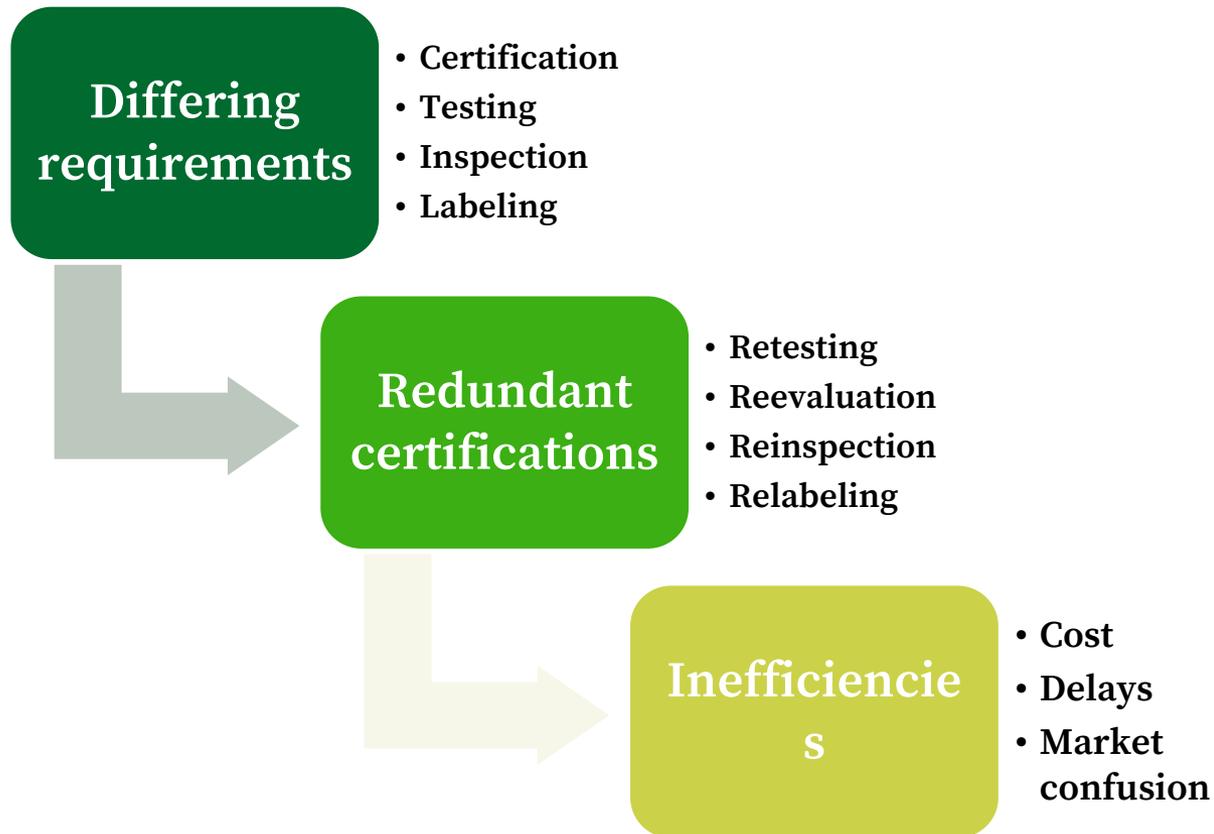
- North American non-profit organization certifying solar thermal systems and components since the 1980's
- ISO/IEC 17065 accredited Certification Body with several programs:
 - OG-100: Solar Thermal Collectors
 - OG-300: Solar Thermal Water Heating Systems
 - OG-400: Solar Pool Heating Systems
 - Listings: Codes and other referenced standards.
- Publish standards referenced in regulations using testing methods from ISO standards
- Certifications used by codes and rebate programs across North America



GSCN: A Certifier's Perspective

- Promise and Challenges
- Role
- What's Next?

The Challenges



Impacts

How the solar thermal market is affected...



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**HIGHER PRODUCT
PRICES**



**PRODUCT
AVAILABILITY**



PROJECT DELAYS



**STIFLES
INNOVATION**



**INTERREGIONAL
TRADE**



**MARKETPLACE
CONFUSION**



**INCONSISTENT
PRODUCT QUALITY**

Why not global certification?



- Worldwide variations in codes and regulations
 - Extent and type of regulations
 - Responsible parties
 - Enforcement type & consistency
 - Variable accreditation requirements
 - Risk factors & tolerance
 - Labeling mechanisms
 - Accreditation requirements
- Regional product preferences and construction practices
 - Infrastructure (e.g. water pressures, voltages)
 - Materials
- Climate differences
- Economics
- Protectionism
- Languages



Promise and Solutions

The Role of the GSCN in the Industry



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01

Harmonize testing

- ISO 9806-2017
- Packaged systems
- New technologies
- Quality assurance between labs

02

Promote effective regulations

- Gather information on regulations
- Encourage use of harmonized standards

03

Support highly qualified inspector pool world-wide

- Consistent training

04

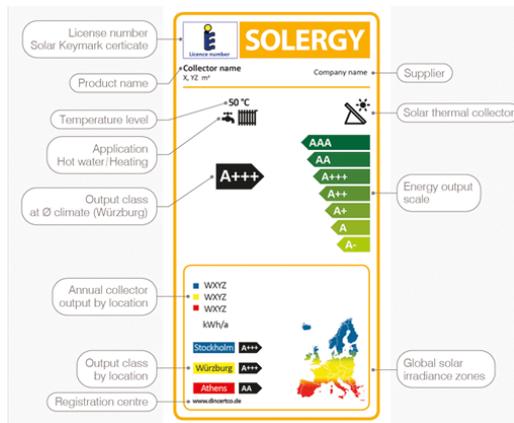
Advance awareness of solar thermal technologies

- Labeling
- Outreach and coordinated messaging

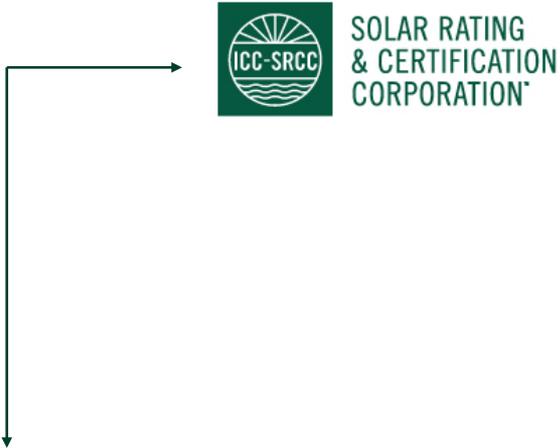
What's Next for the GSCN?



- Upcoming activities in process and under discussion
 - Coordinating energy ratings for PVTs
 - Solar thermal promotion using the Solergy label
 - Training and resources for global inspectors
 - Validation of test results between labs



- Other opportunities
 - Harmonization of testing and rating approaches for packaged systems
 - Compilation of global regulatory requirements
 - Engage regions not currently represented, esp. UK, South America, Asia



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