



GREENoneTEC - BUSINESS UNITS





GREENoneTEC | FACTS & FIGURES







- Production volume 2022: 560.000 m²
- Export quote > 85 %
- Sales > 100 countries
- Production capacity:
 1,6 Mio. m² (3-shift)
- Fully automated production facilities on 28.000 m² with robot systems
- Laser welding (3 machines)
- Automatic meander bending machine
- Automatic brazing centers

PRODUCT & SYSTEM CERTIFICATES



























- Solar Keymark
- Austria Solar Gütesiegel (AT)
- Österreichisches Umweltzeichen (AT)
- CSTBat (FR)
- MCS (UK)
- SRCC (USA)
- ICC-ES PMG Listing Mark (USA)
- DCL Dubai Zertifikat
- Global-Mark Zertifikat



Costs for certification, inspection

- *Number of collector certificates GoT*: more than 60 certificates
- Time spent internally for physical inspection:
 - Preparation: 2 days for one person → 850 Euro
 - Inspection: 2 days/2 person plus 10 hours of colleagues, which are involved in the inspection

process like purchasing, complaint management, quality management, production.....

→ 2.200 Euro

- Travel costs Inspector: approximate 800 Euro/inspection
- Costs of initial or repeat inspection:
 - approximate 10.000 Euro for the performance and quality testing
 - plus costs for the necessary production of collectors, approx. 2.000 Euro



Possible savings if GSCN are in full operation

Assumption based on GoT with 6 different certificates (Solar Keymark, SRCC, CSTBat, MCS, DCL, Global Mark) and only one necessary initial test.

		now	possible future	possible savings – best case
Initial testing	Production of collectors and necessary testing, transport	12.000 Euro x 6 72.000 Euro	15.000 Euro	57.000 Euro
	Travel cost inspection and collector - selection	800 Euro x 6 4.800 Euro	800 Euro	4.000 Euro
	Internal preparation (one day)	425 Euro x 6 2.550 Euro	1.000 Euro	1.550 Euro
Total:		79.350 Euro	16.800 Euro	62.550 Euro



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		now	possible future	possible savings – best case
periodic inspection	Internal preparation (one day	425 Euro x 6 2.550 Euro	1.000 Euro	1.550 Euro
	Travel cost inspection for collector - selection	800 Euro x 6 4.800 Euro	2.000 Euro	2.800 Euro
	Inspection (time of colleagues)	425 Euro x 2p x 2d x 6 10.200 Euro	3.500 Euro	6.700 Euro
Total:		17.550 Euro	6.500 Euro	11.050 Euro



Conclusion:

- We have a preliminary theoretical savings potential of approx. 10.000 euros per certification scheme for each new collector type/family if we can manage that one common initial test would be enough for several certificate schemes.
- In case of periodic inspection, savings of approx. **2.000 euros per certification scheme** are possible, if one inspector is authorized to check the different requirements of the certification bodies.
- SRCC is the best example how it could work. The cooperation works well from the point of view of the manufacturer.
- We need more such cooperation like SRCC!!
- It takes really a lot of time to find the right contact person and the willingness of all involves parties to change existing certification rules
- One initial testing at the beginning would be great. Maybe it could work like we do with the patents. First do a
 complete testing and afterwards take the decision, which certificate schemes are needed.
- GSCN NEED MORE INDUSTRY PARTNERS!! YOU ARE WELCOME!!

