



Expertise offer

Date (01-12-09)

- (*) **Description of the expertise offered (up to 1000 characters)**

Nolaris is an engineering company specialized in the design and implementation of solar systems based on an innovative floating and rotating platform (Solar Islands) tracking the sun in azimuth. By implementing a simplified mechanics, this solution is therefore expected to produce a significant cost reduction with respect to other solar systems based on individual elevation tracking optics.

Nolaris has a qualified team of engineer owning all the necessary core know-how and competences covering all the aspects of the Solar Islands project.

Nolaris know-how ranges from specific design aspects (optics, fluid-dynamics) to system integration and applications, thus allowing carrying out fully internally the conceptual and preliminary design of the system as well as the validation of the design solutions on prototypes.

- **Keywords describing the expertise offered (up to 10 words)**

Engineering company, Floating rotating platform, Azimuth tracking, Fresnel solar systems

- (*) **Relevant topic/s in work programme (up to 3 topics)**

2010.2.9-1 Demonstration of innovative multi-purpose solar power plant

- **Former participation in FP or other international cooperation projects**

None

Organisation information

Organisation and country:
NOLARIS SA in Switzerland

Type of organisation:

SME:

Former participation in FP European projects?

No

Web address:
www.nolaris.com

Description of the organisation:

Nolaris is the 25th spin-off the CSEM (Swiss Center for Electronics and Microtechnology). Nolaris is specialized in R&D, Design and Engineering. Nolaris and the CSEM have developed Solar Islands product which is a floating and rotating platform that tracks the sun in azimuth. This platform can be covered with Fresnel mirrors or other CSP systems. The objective of Nolaris is to afford a double tracking system of the sun to improve the optical efficiency in balance with low cost criterion.

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