The Institute of Solar Research extends its offer of capacity building courses for CSP specialists at the MENA partner countries with online video tutorials

02 October 2013

In 55 videos, researchers from the German Aerospace Center (Deutsches Zentrum für Luft- und Raumfahrt; DLR) facilitate profound knowledge about the fundamentals of CSP (Concentrating Solar Power) project planning, construction, maintenance and optimisation of solar thermal power plants.

The videos cover a wide spectrum, including fundamentals of line and point focusing technologies, solar resource assessment, project planning and yield analysis, as well as detailed practical and theoretical units about optical and thermal measurement techniques. Starting from determining the solar irradiance of possible sites, optimisation of materials and components, construction and maintenance, the videos deal with important aspects of solar thermal power plants.

The videos have been produced as part of the enerMENA (Energy in Middle East and North Africa) Capacity Building Courses, which have been offered since 2010. The enerMENA courses and video tutorials are geared towards engineers and technicians who already work with CSP, students aspiring to do so and university professors in the enerMENA partner countries around the Mediterranean and the Middle East. The course programme is so important because the course materials have been prepared specifically for the above mentioned target audience in order to improve and strengthen CSP competence in the MENA region.

Over 100 people have already attended the enerMENA courses at the Plataforma Solar de Almería (Spain) and partner countries. With the new English online video tutorials, enerMENA reaches a wider audience. All that is needed is a computer with Internet access, a good command of English and the access data for the video platform.

The videos are on stream with 4 different bandwidths to optimise the transmission. The videos range in length between five and 90 minutes. The shooting and recording took place at the Plataforma Solar de Almería (PSA) of the spanish research center for energy environmental studies and technology CIEMAT and in a studio.

The online contact form for applicants is available on the enerMENA homepage. The access data is valid for six months; the applicants will receive them by email a few days after sending the application.

enerMENA

Funded by the German Federal Foreign Office, the project was initiated and is run by the Institute of Solar Research at the German Aerospace Center (DLR), a pioneer in the field of CSP technology. The aim of enerMENA is to provide knowledge and practical experience to CSP specialists and stakeholders in the MENA region. In doing so it contributes both to the optimisation of the construction and operation of solar thermal power plants. It includes R&D activities to develop efficiency improvement measures and offers professional training courses for different target groups.

The German Aerospace Center (DLR) works jointly with some 30 partners from Egypt, Algeria, Morocco, Tunisia and Jordan to realise the objectives of the enerMENA project. Among partners

are engineers, skilled workers, and decision makers at energy centres, national energy agencies, universities, engineering companies and related ministries.

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Webcast: Facilities of the Plataforma Almería of the spanish research center CIEMAT

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