



SUCCESS STORY OF ZINGA

INTERVENTION PERIOD :	From 30/05 to 05/08/2019
CONTRACTOR	ONEE Office National de l'Electricité et de l'eau
BUILDER	COVEC China Overseas Engineering Corporation
APPLICATION SUBSTRACT:	The supports of the solar panels
ATMOSPHERIC CONDITIONS:	Relative Humidity : 16 % à 17%, température: 35° à 45°C
PERMANENT TECHNICAL SUPPORT COMPANY:	LPEE: Laboratoire Public d'Essais et d'Etudes
TECHNICAL CONSULTANT:	M3C: Maroc Coating & Corrosion Consulting



b. Project data:

The site of the Erfoud photovoltaic power plant is part of the "Noor-Tafilalt" project. Phase I of this one consists of 3 photovoltaic plants located in Missouri, Zagora and **Erfoud**.

The Photovoltaic plant at Erfoud is spread over a total area of 200 ha. It is planned for a power of 40 MW.



c. Issue

The supports of the solar panels have been hot-dip galvanized. After their installation, anomalies appeared in the form of blackish spots.

The technical and control office mandated -LPEE Public Laboratory of Tests and Studies- recommended the following solution:

- Brushing of media that present defects

- Application of a paint system of the brand COLORADO:

Primary COLOZINC + Finishing COLOTHANE

Problem: Cross cut test as per ISO 2409 shows that there is not a sufficient adhesion between the ZN + PU system and the galvanized supports



ZINGA APPLICATION AT COVEC





