Application of SiO2 and TiO2 coatings to Solar Panels in Abu Dhabi

<u>Overview</u>

This trial has been established in order to evaluate how solar panels benefit from being coated with SiO2 and TiO2 coatings.

Procedure.

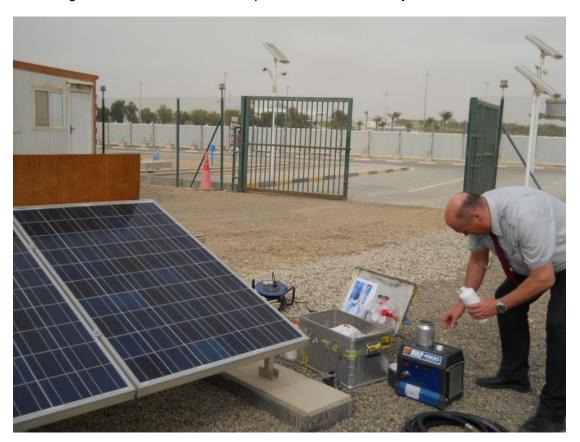
3 solar panels were randomly chosen as test sites.

Each panel was cleaned in order to remove soiling. It should be noted that the soiling was well established and difficult to remove.

After 3 solar panels were cleaned the application of SiO2 and TiO2 took place (P lease refer to the images) The SiO2 was applied by wiping. TiO2 was applied by spray.



This image shows the location of the panels within the facility.



Continuation of the trial

Prior to the application of the coatings all felt confident that the coatings would enhance the performance of the panels.

The baseline hypothesis being that the SiO2 coatings would create a surface which was easier to clean and may contribute to reduced adhesion of particulates.