

## European Solar and Energy Storage Solutions

# Nomadd desert solar solutions Lithuania



## Overview

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Who owns nomadd desert solar solutions?

NOMADD Desert Solar Solutions, a photovoltaics cleaning system and spin-out company from KAUST, has secured a strategic investment by the Saudi construction company CEPCO. [File photo.](#)

Does nomadd clean solar panels?

NOMADD supplies waterless robotic cleaning systems for solar arrays. In the Middle East dust is the primary factor affecting solar plant performance. As all eyes in the solar industry are now focused on the many huge solar deployments in the pipeline across the region, the question of solar panel cleaning is a key part of the conversation.

What is nomadd low-energy communication technology?

The NOMADD low-energy communication technology allows for the transfer and processing of data from arrays with thousands of solar panels, avoiding congestion in transmission – which was previously not achievable.

What is nomadd technology?

The NOMADD technology was developed in Saudi Arabia at King Abdullah University of Science and Technology (KAUST). Through a recent licensing agreement, NOMADD robots also use Aramco technology, developed in parallel by the Aramco R&D division. NOMADD stands for NO Water Mechanical Automated Dusting Device.

Who is CEPCO investing in nomadd desert solar solutions?

[File photo.](#) NOMADD Desert Solar Solutions, a photovoltaics (PV) cleaning system and spin-out company from KAUST, has secured a strategic investment by the Saudi Arabian construction company CEPCO. The Series B investment round will support NOMADD's project pipeline and will further strengthen the company's growth ambitions.

Will nomadd be the sector standard cleaning solution?

An exemplar of the Saudi Vision 2030 for Economic Development and Innovation, NOMADD is anticipated to play a key role in these projects and is positioned to become the sector standard cleaning solution. “This commercial scale order is a great step forward for us,” said Jos van der Hyden, CEO of NOMADD.

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### **NOMADD DESERT SOLAR SOLUTIONS PTE. LTD.**

NOMADD DESERT SOLAR SOLUTIONS PTE. LTD. was incorporated on 15 November 2013 (Friday) as a Private Company Limited by Shares in Singapore. The Company current operating status is live with registered address at SHAW CENTRE. The Company principal activity is in ENGINEERING DESIGN AND CONSULTANCY SERVICES IN ENERGY ...

### **Startup of the Week: NOMADD offers revolutionary solutions for the**

JEDDAH: NOMADD is a King Abdullah University of Science and Technology (KAUST) startup that aspires to contribute to the growing clean energy sector with its leading photovoltaics cleaning system



### **About**

NOMADDs focus is in simplicity, durability, resilience and reliability for any desert climate. Designed for a 25 year operation at any solar field array with minimum moving parts and a uniquely patented angle brush design. NOMADD is a waterless fully automated solar cleaning system able to clean an entire array within 2 hours.

### **NOMADD**



114KWh ESS













## KAUST startup NOMADD secures investment from CEPCO

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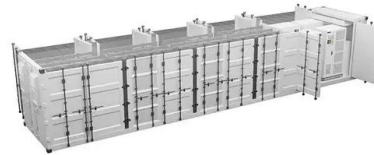


## Saudi Aramco licenses NOMADD to create waterless cleaning ...

Saudi Aramco entered into a technology licensing agreement with NOMADD Desert Solar Solutions, the Saudi-based startup that commercializes the NO water Mechanical Automated Dusting Device. Founded in 2012, NOMADD is a system designed for desert conditions to clean the dust off solar panels, dust that usually massively reduces efficiency.

## Saudi Aramco tech to be part of waterless solar cleaning product

Saudi Aramco has agreed to give Nomadd the right to develop and manufacture solar array cleaning technology that was initially developed by Saudi Aramco's research and development (R& D) team at KAUST. This technology will be integrated with Nomadd's system. The product will be distributed in Saudi Arabia.



## News

Using remote controlled, two-way data transmission, NOMADD provides highly granular data to the user while maximizing solar array output and minimizing the operational costs of desert solar. In 2017, NOMADD was a winner of the SunRISE TechBridge Challenge, a competitive event organized by DSM, Fraunhofer and Greentown Labs in Boston to identify

## NOMADD

NOMADD specializes in autonomous robotic cleaning solutions for solar panels, particularly designed for harsh desert environments. The company offers a fully automated, water-less cleaning system that is cost-effective and designed to operate without the need for power transmissions, cables, gears, or pulleys.



## NOMADD Desert Solar

NOMADD Desert Solar is a Saudi Arabia based startup focused on developing an automated waterless solution for cleaning the dust off the solar panels. The dusting device is a brush which rests on a rail above the panel and can be controlled using a smartphone.



## NOMADD Desert Solar Solutions

NOMADD Desert Solar Solutions , ?????? ??  
 ?????????? ??? LinkedIn. The Future of Solar Energy , NOMADD is an innovative fully automatic device that was specifically designed to provide the best cleaning solution for all desert solar array applications. After years of careful research, design, and field testing, NOMADD is the unbeatable waterless, laborless, and fully automated



## NOMADD Desert Solar Solutions

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## FAQ

14. What specifications are needed to install the NOMADD on different array designs? Ideally, integration of the NOMADD system with an array

design occurs at the design phase of the array mounting structure. The system can vary simply be integrated during the design phase with a simple custom bracket that links the track to the mounting structure.



## News

Latest NOMADD Desert Solar News. Thuwal, November 28, 2021: NOMADD Solar has developed a unique fool-proof communications system enabling seamless and timely maintenance of its deployed solar panel cleaning robots. The NOMADD low-energy communication technology allows for the transfer and processing of data from arrays with ...

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