



Good practice project

Climate neutral water treatment

CHALLENGE AND APPROACH

Due to the Corona pandemic, hospitals in Kenya are increasingly dependent on clean and affordable **drinking water** - in addition to a general water shortage in the region. For several years, Business Scouts networked the Berlin-based company **Boreal Light GmbH** with relevant local cooperation partners and advised on financing instruments of German development cooperation. Boreal Lights produces **water desalination facilities** that are powered by solar energy.

EFFECTS AND ACCOMPLISHMENTS

Through the cooperation between Boreal Light and local partners, on-site hospitals could be equipped with solar-powered plants. The systems contribute to the **cost-effective provision** of clean drinking water. For example, one system installed at the Lodwar hospital can produce up to **60 000 liters of drinking water** per day, benefiting up to **150 000 people** annually. Furthermore, **new local job opportunities** are created around the installation, maintenance and repair of the systems. The use of renewable energies for water purification promotes the achievement of global sustainability goals.

PROSPECT

The use of the water desalination facilities is to be extended to **further countries** in Africa, including Senegal, Ghana and Tanzania.

750t

CO²-savings
in the provision of
drinking water



Improved access
to drinking
water



Country	Kenya
Partner institution	IHK Halle-Dessau, Bundesverband Solarwirtschaft e.V.
Involved partners	among others: Boreal Light GmbH, WaterKiosk Africa
Duration	2020 - 2022
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BMZ priority topics	Just Transition, Covid-19 Pandemie

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