

solimove

SOLARSTRASSEN



Generating solar and wind power uses large natural areas

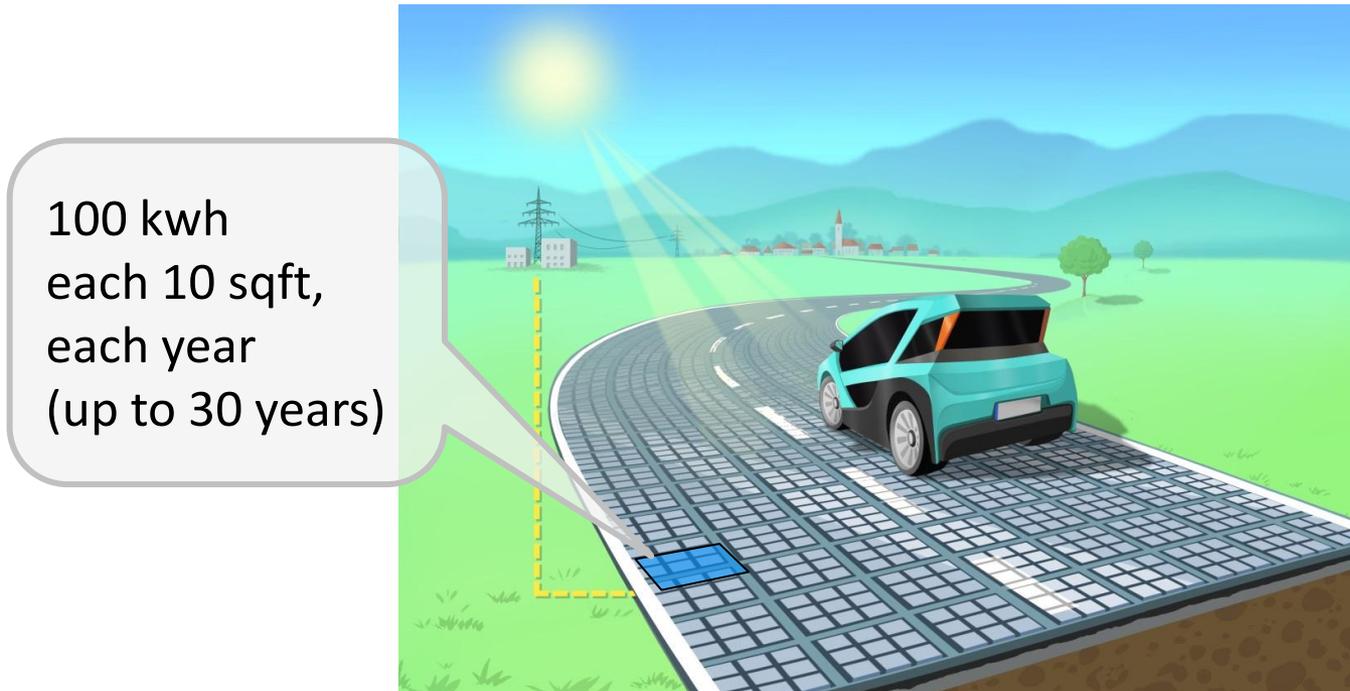
More electric vehicles need clean electricity

Communities need income to finance road construction



Solar streets

better roads that produce large amounts of clean energy and power the electric vehicle revolution



100 kwh
each 10 sqft,
each year
(up to 30 years)

producing electricity for households, industry, e-Cars

VOLTSTREET®



Breaking Strength

different levels

Slip Resistance

like asphalt + X

Transmission

≥ 90% conventional PV

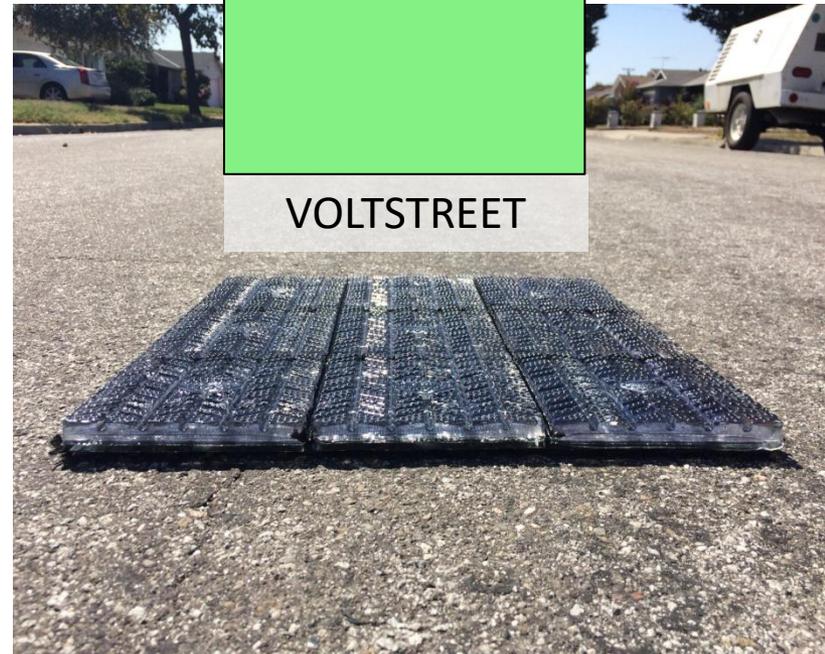
Self-Cleaning

with photocatalyse

Noise absorption

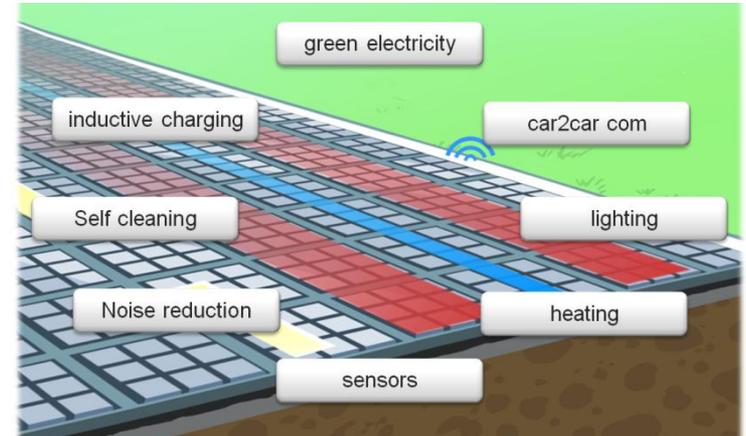
with profiling

Solar streets generate money

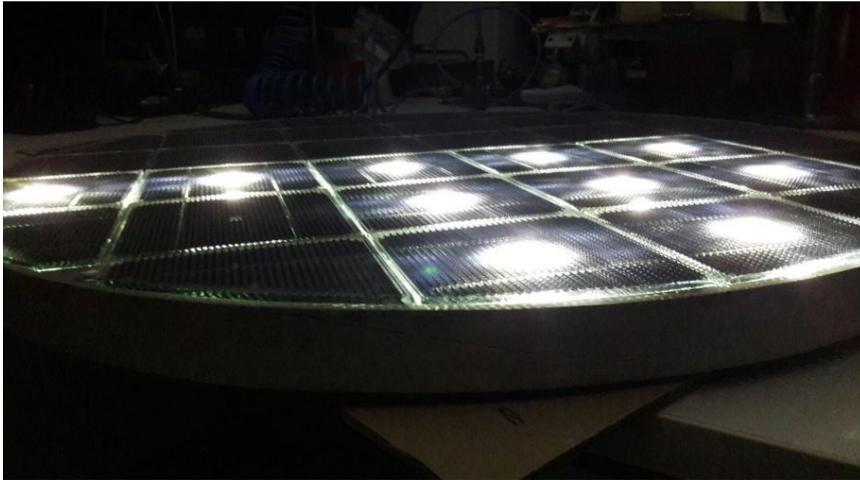


Development of additional features

- LED lighting
- Heating
- Traffic sensors
- inductive charging for electric vehicles



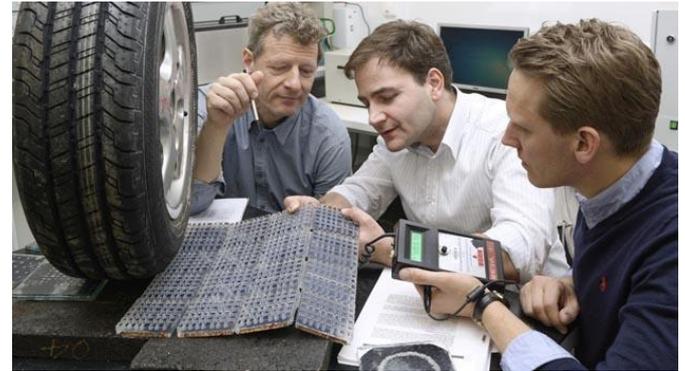
Prototype including lighting system



solmove

Sustainable Technology

- Main materials silicon & glass
- 50% of glass can be recycled
- electronic components can be recycled
- CO2 for production amortized after 2.5 years
- no hazardous or rare substances used



Safe Technology

- Research with RWTH Aachen Institute for Roads (ISAC) shows driving on the surface is absolutely safe
- surface has excellent grip and breaking strength
- vehicle noise is minimized



Market

€10 billion

average turnover for PV module industry in the next few years of which Solmove aims to gain 0.1% in 2023, = sales of € 10 million

Customers

Commercial, public, and private owners of surfaces; energy producers; operating companies; institutional investors

Competitors

Solar Roadways in the US, Wattways in France, SolaRoad in Holland

Business Model

SOLWALK

50 x 50 cm large

for pavements, bike paths and squares

marketed with an external service provider

from 2018 onwards

VOLTSTREET

1,2 x 1,2 meter

for roads or other large areas

connected to each other- mobile "solar carpet"

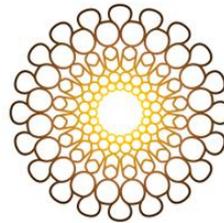
Pilot project in 2017

Sold directly by Solmove



Market Adoption

Planned pilot projects



إكسبو 2020
دبي، الإمارات العربية المتحدة
DUBAI, UNITED ARAB EMIRATES



Solmove GmbH - Germany

- Founded 2014 ✓
- Research with 10 partners ✓
- Laboratory samples + prototype ✓
- Funding Government, Business angel ✓
- Patent submitted ✓
- **German Government Award for Sustainability 2016 ✓**
- **Finalist Start Green Award 2016**
- **Winner Next Economy Award 2016**



Ausgezeichnet durch den NACHHALTIGKEITSRAT





MSc Annemarie Botzki, 30

- Business Development
- International project coordination
- Communication & Operations
- 5 years experience as energy analyst



Dipl.-Ing. (FH)

Donald Müller-Judex, 53

- Chief Executive
- Technology development
- built & led 2 startups
- 3 patents
- Awards



Dipl.-Ing. (FH) Till Nadolny, 43

- Production management
- Renewable energy
- 15 years professional experience
- 8 year PV-projects

Research partners



adhesion to glas



glass material



corrosion protection, self-cleaning



light transmission, prototyping



road construction



certification



€400,000

received in government grants, business angels

€1 Million

needed to set up and roll out production in
Germany and internationally

Customers and projects lined



Contact



Annemarie Botzki
Business Development & Operation
Mobil: +4917657823898
abo@solmove.com

Solmove GmbH
Büro Berlin
Rudolf-Breitscheid-Str. 162
14482 Potsdam