



# »More water for less energy«

## akvolution GmbH

Sustainable water treatment

### Our idea

akvolution designs and builds water treatment plants equipped with akvoFloat™, a proprietary process based on advanced ceramic materials. Our plants have been especially designed for the pretreatment of seawater, a critical step in desalination. They produce high-quality water with 90% lower energy consumption and a 70% smaller CO<sup>2</sup> footprint than state-of-the-art technologies. Our technology can be used in multiple applications, such as the oil&gas and food&beverage industries. With the conviction that seawater desalination is the solution to the global scarcity of water, we wish to make it affordable, and hence make our contribution to the economic, social and ecological development of society.

### Team

**Matan Beery** (Dr.-Ing., Process Engineering)

**Gregor Tychek** (Industrial mechanic)

**Lucas León** (Dipl.-Ing., Electrical Engineering)

**Johanna Ludwig** (Dipl.-Ing., Process Engineering)

### Sector

Environmental engineering and plant construction

### Mentor

Prof. Wozny, Faculty III - Process Sciences

### Support

Climate-KIC Start-up Grant (2012)

EXIST start-up grant (2013)

StarTUp+ Program (2014)

High-Tech Gründerfonds (2014)

### Year founded

2013

[www.akvolution.de](http://www.akvolution.de)



Senatsverwaltung  
für Bildung, Jugend  
und Wissenschaft

