



# Saule Technologies & Saule Research Institute

Optoelectronics from Poland

February 2019

# About the entities



What is our product? Who are our future clients?

**Our product:** Printed, ultrathin, flexible, light-weight, low-cost, non- and semi-transparent solar cells to be integrated with commercial products

**Business model:** B2B

**Our clients:** Big industrial players interested in harvesting energy on the surface of their products

**Application:** Every surface exposed to light; be it natural, artificial, direct or indirect illumination.

A few examples:



**Rooftops**



**Construction**



**Windows**



**Portable electronics**



**Electric cars**



**IoT**



**Space industry**

# About the entities



What is our mission? What kind of services do we provide?

## **Our mission:**

- R&D support in Optoelectronics, Material Science – basic and applied research
- International hub for scientists
- Knowledge transfer between academia and business

## **Scope of operation:**

- Research projects
- Problem solving services
- IP support - FTO analysis
- Courses and summer schools
- Networking



# Facilities



## **Wroclaw, Poland: R&D center and production line**

- Over 5 M USD invested in equipment
- More than 50 instruments installed
- Synthesis, fabrication and characterization of optoelectronic devices
- Equipment and services provided by global leaders in the field
- 478 m<sup>2</sup> laboratory space, with 216 m<sup>2</sup> cleanroom area
- 270 m<sup>2</sup> cleanroom area under construction for the first production line
- Humidity and temperature control in cleanroom areas
- Operation according to the highest health and safety requirements



February 2018

# Previous experience



## Ongoing projects:

- Several national and international (EU) projects
- Co-operation with some of the most well-known and recognized institutions in the field

## A couple of examples:



February 2018

# Partners sought



## **Companies:**

- Interested in jointly developing perovskite PV applications
  - Providing cutting-edge tools for material deposition, characterization, etc..



## **Companies:**

- Interested in outsourcing the solving of a problem in the field of optoelectronics
- Tech start-ups in need to perform FTO analysis

## **Research bodies with expertise in:**

- Optoelectronics
- Materials science
- Nanotechnology
- Printed electronics

# Acknowledgements

## Contact:

Dr. David Forgacs

Director of Knowledge Management

david.forgacs@sauletech.com



 sauletech

 sauletech

 saule-technologies

**SKANSKA**

