



accelerated materials innovation

**AGM 28<sup>th</sup> September 2017**

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# Power availability considerations

- ▲ Cabling costly or impossible
- ▲ Changing batteries costly
- ▲ Hostile / High temperature environment
- ▲ Need to be safe and biocompatible

## ▲ Medical



## ▲ Transportation



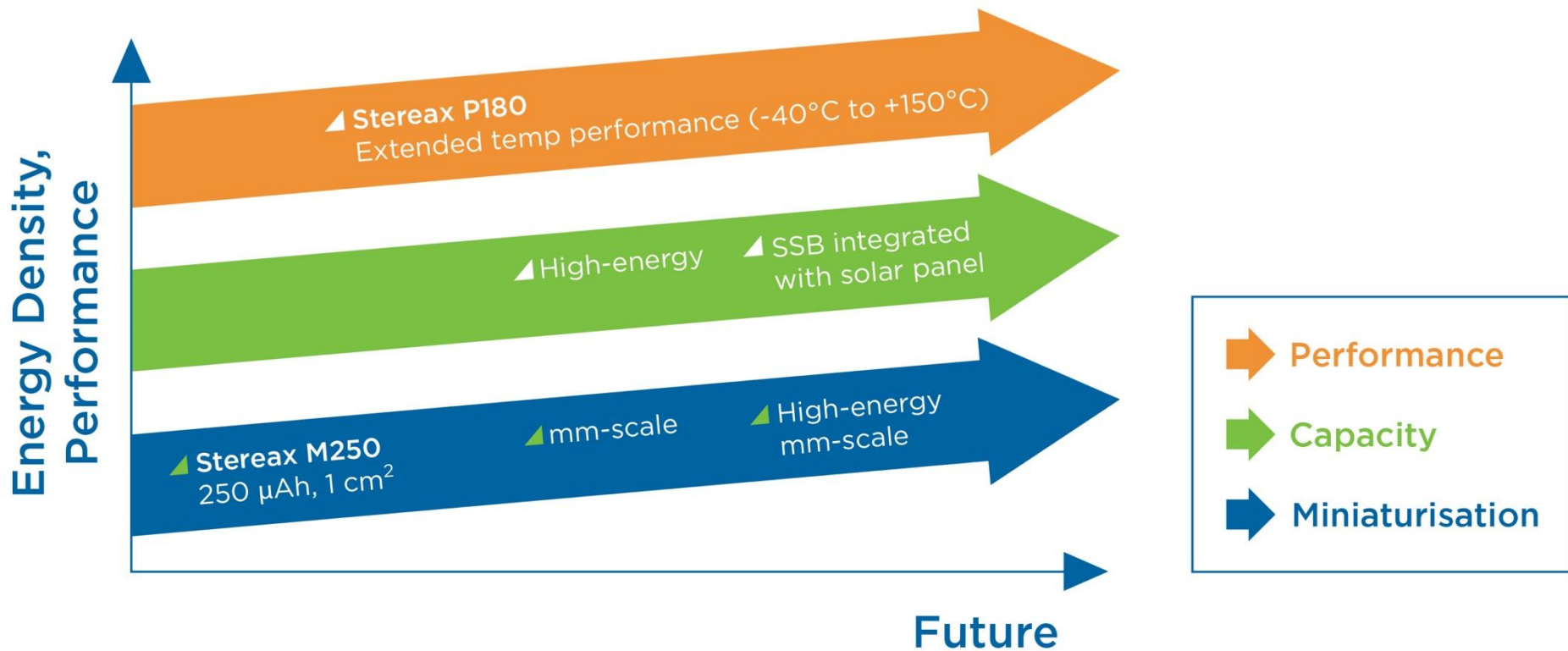
## ▲ Industrial



## ▲ Agriculture

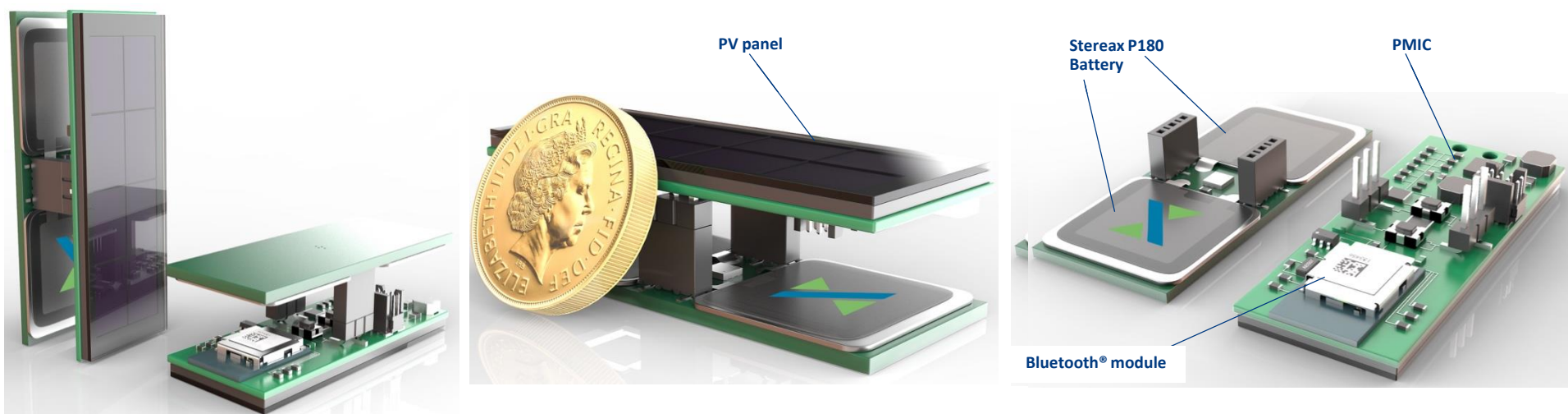


# Stereax Road Map



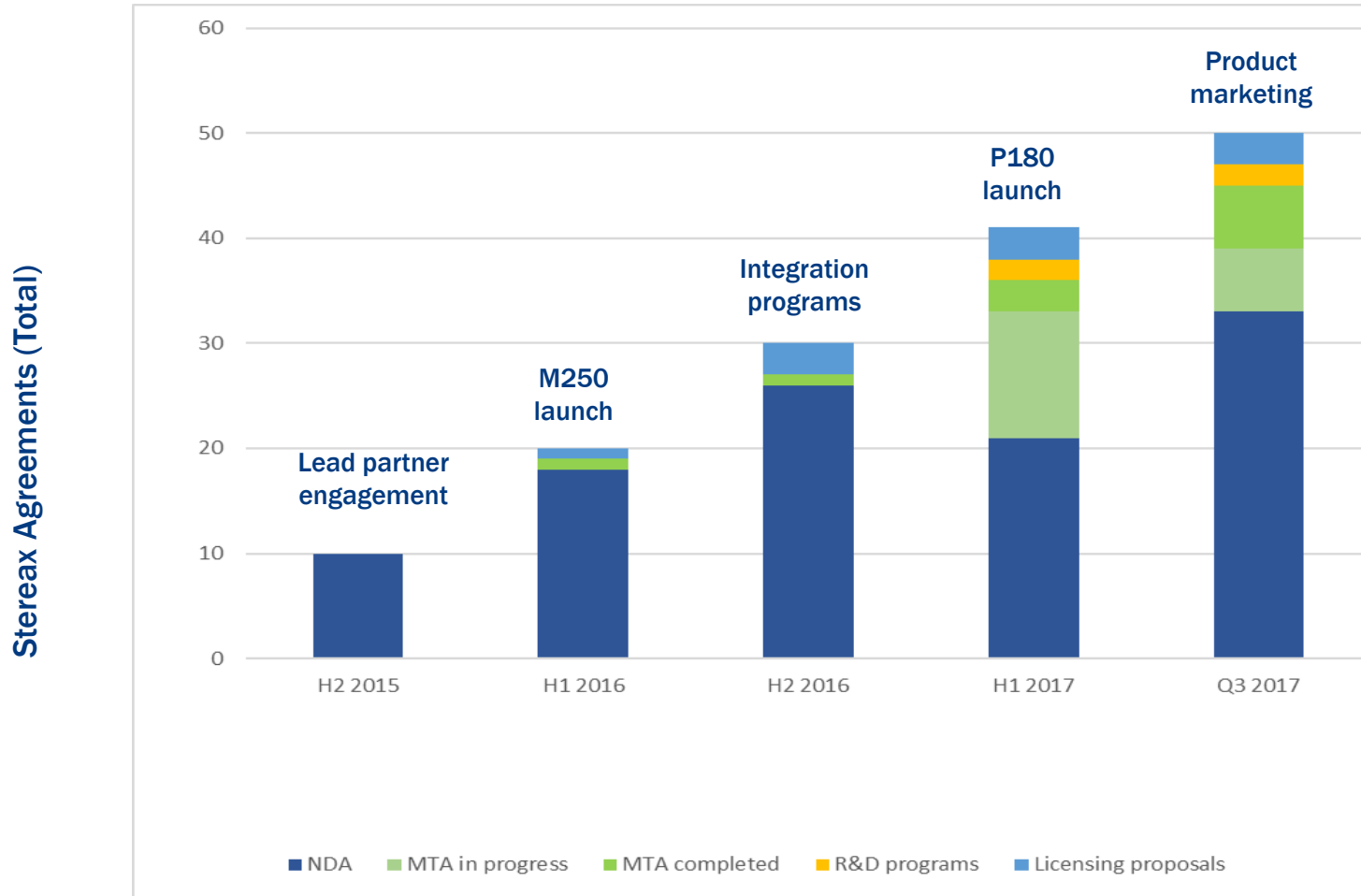
# P180 Demonstrator

- Perpetual beacon with temperature sensor powered by Ilika Stereax Solid-State Battery and PV panel.

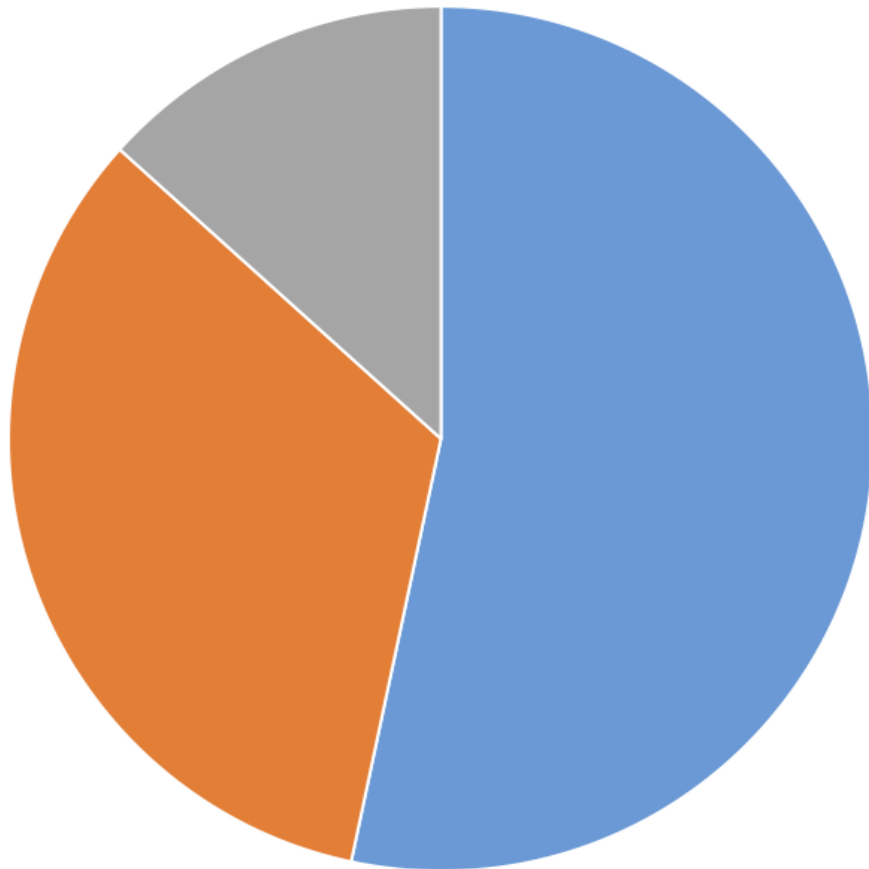


Component	Company	Model / Comment
Battery	Ilika	2 x 180 $\mu$ Ah Stereax P180 solid state batteries
PV panel	Sharp	20 mm x 50 mm
Battery Management	Texas Instruments	BQ25570
Bluetooth® LE	Rigado	R41Z, incl. NXP KW41Z SoC with ARM Cortex M0+ CPU
Temperature	Texas Instruments	HDC 1080

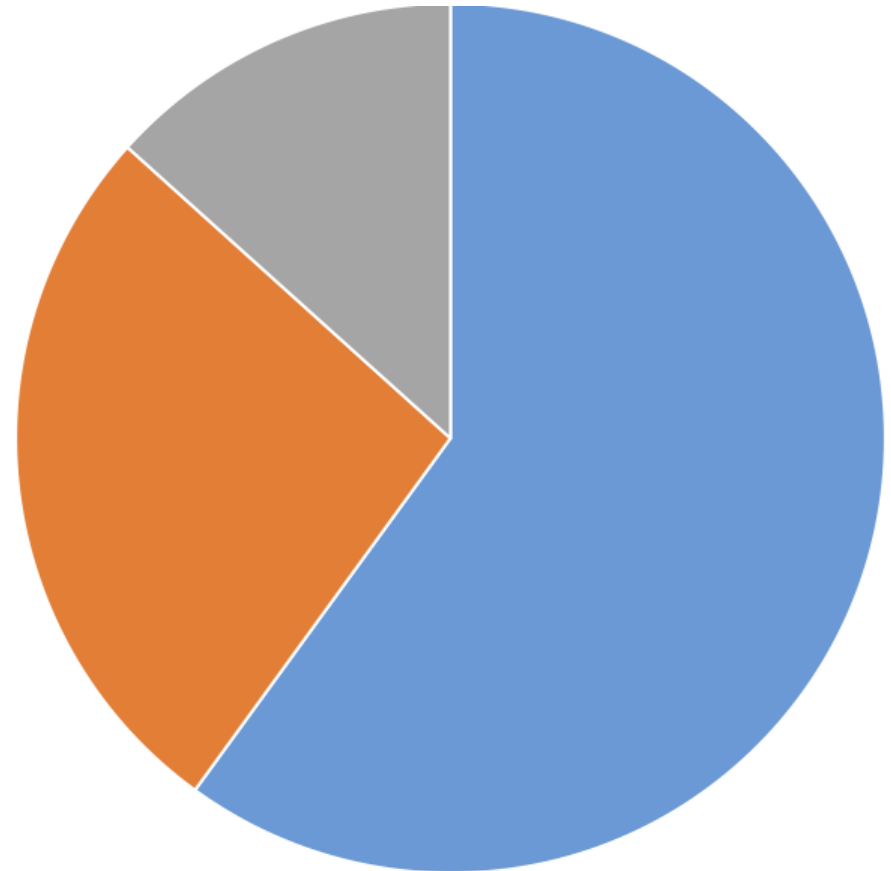
# Progress towards Stereax licensing



# Battery Evaluation Distribution



■ Medical Device ■ Industrial ■ Foundry



■ US ■ EU ■ Asia

# Operational highlights for YTD 2017

- ▲ **Securing Stereax R&D agreements with:**
  - ▲ **Bioelectronics company for medical implants**
  - ▲ **Sharp, for integration with photovoltaics**
- ▲ **Attracting a \$1M contract with Toyota Research Institute**
- ▲ **Launching Stereax™ P180, extended temperature range solid-state battery**
- ▲ **Granting of patents protecting Stereax**



# 2017/18 Outlook

- ▲ Growing revenue (order book of £2.0m for 2017/18)
- ▲ Investing in Stereax™ roadmap
- ▲ Finalizing manufacturing partnership
- ▲ Licensing Stereax™ technology

# Contact details

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