



Smart City Expo World Congress

Introducing 8power - Sensing as a Service

Paul Egan, 8power
November 2017

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- 8power provides “Sensing as a Service” to industrial markets
 - We provide end-to-end solutions to deliver location and asset intelligence data to solve customers problems
 - Enabled by 8power smart, energy independent, wireless IoT sensor networks and a secure data platform designed for industrial applications

*Energy independent asset intelligence
for industrial IoT*

The Internet-of-Things



The IoT is made possible by

- Data availability & analytics
- Low cost, low power sensors
- New, dedicated IoT wireless networks
 - LoRaWAN/NB-IoT

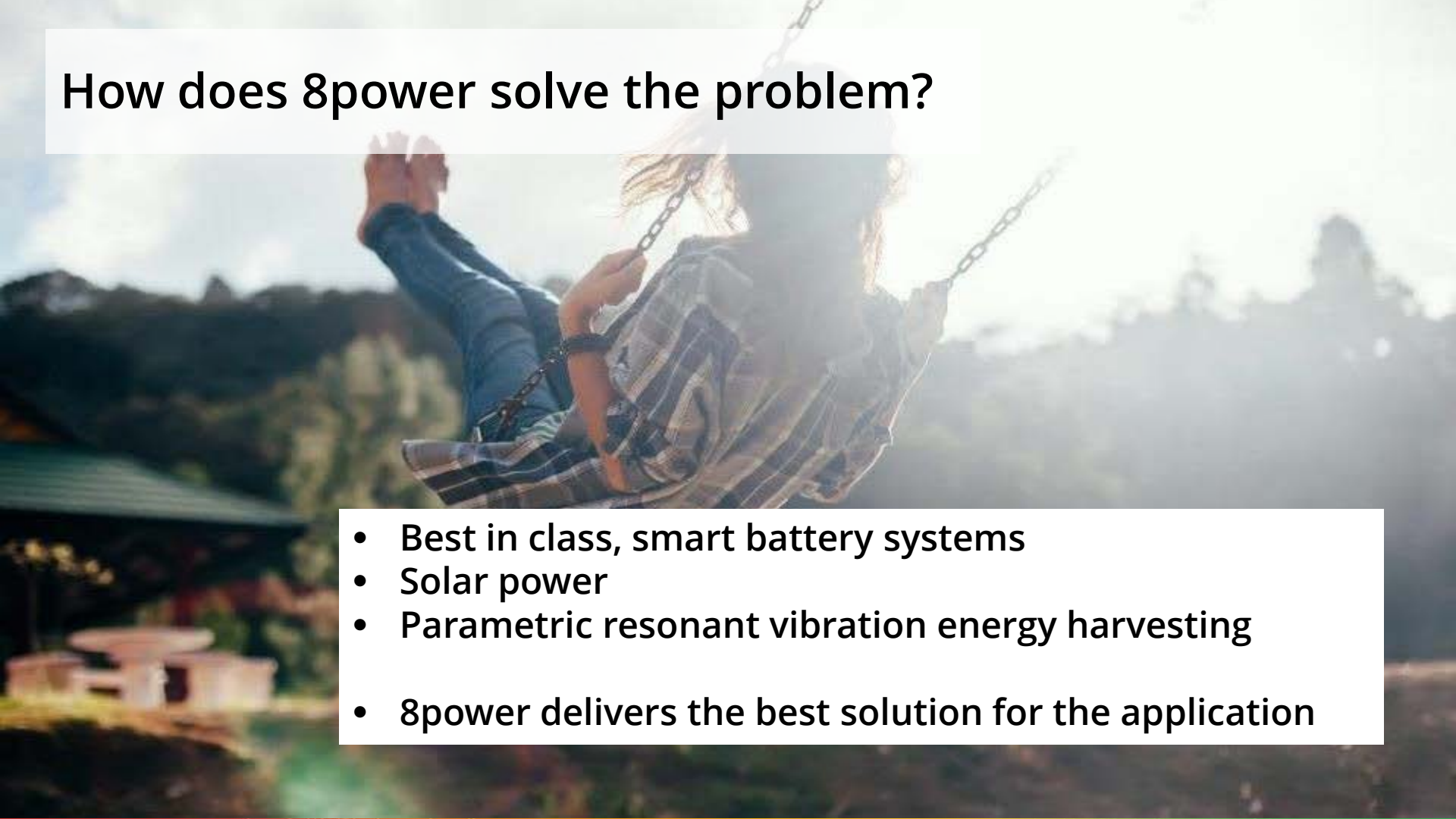
... However ...

8power has solved a missing piece of the IoT puzzle
That can make or break a business case ...

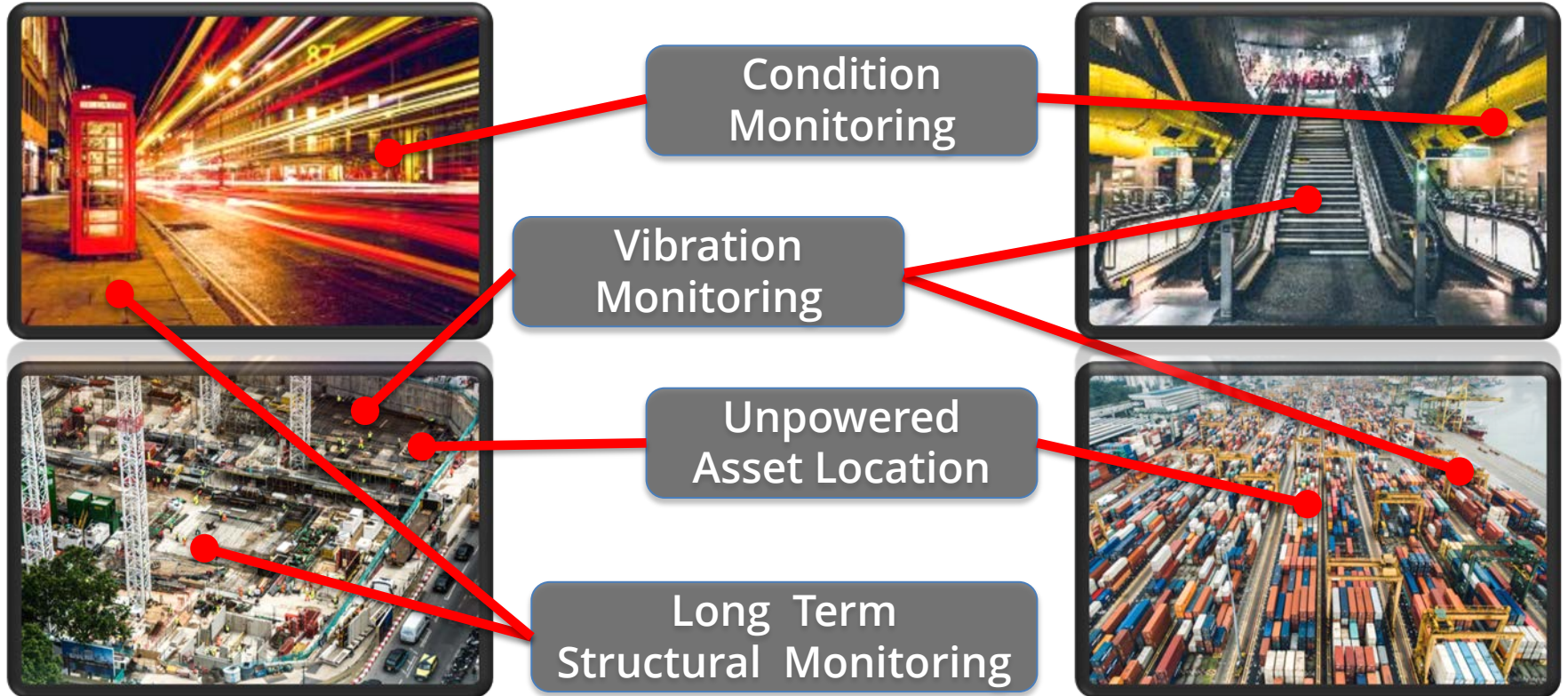


ENERGY INDEPENDENCE

How does 8power solve the problem?

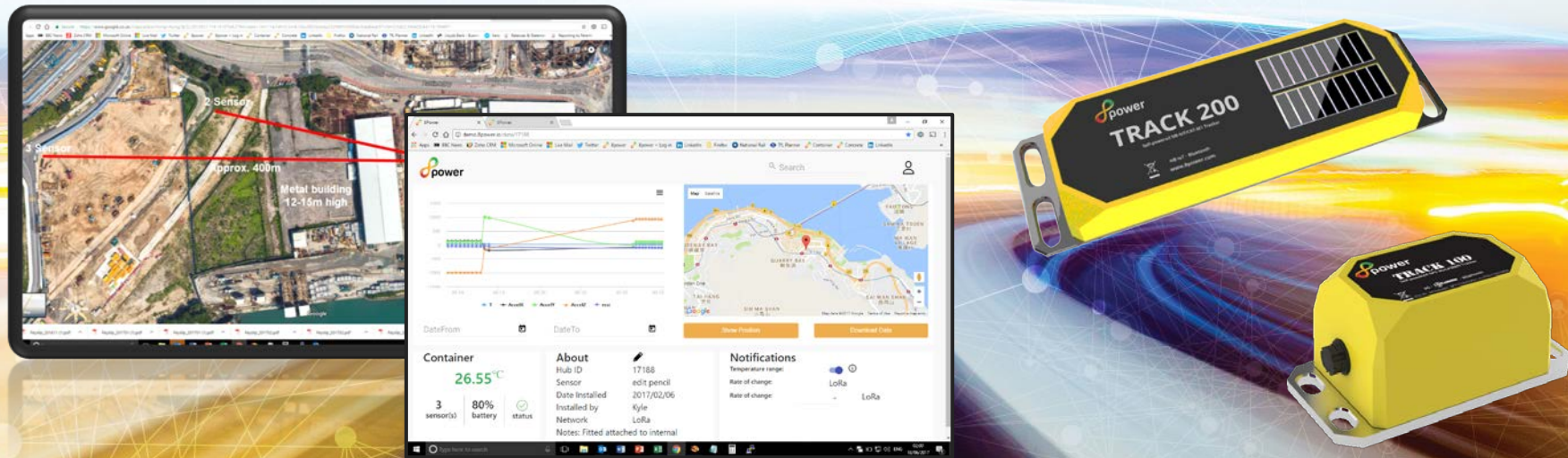
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- A person with long hair, wearing a plaid shirt and jeans, is swinging on a swing set. The swing is in motion, and the person's hair is blowing in the wind. The background shows a park with trees and a building with a green roof. The scene is brightly lit, suggesting a sunny day.
- Best in class, smart battery systems
 - Solar power
 - Parametric resonant vibration energy harvesting
 - 8power delivers the best solution for the application

What do we mean, industrial asset intelligence?



8power offering

- 8power provides data platform, dashboards, sensors & connectivity.
- The sensors are maintenance free for the life of the application.
- All within a simple, volume tiered subscription service.



Takeaways ...

- 8power has self-powered and energy independent sensors, GPS trackers and a Sensor to Cloud platform
- Devices can operate maintenance free for up to 10 years & report data hourly or more
- Uses next generation LPWAN technologies
 - LoRaWAN/NB-IoT/LTE CAT-M1
- We are looking Partners to deploy our solution

About 8power

- Solutions, software & hardware for condition monitoring and asset intelligence
- Seed funding June 2016
- Series A planned Q4 2017
- 3 patents licensed, with access to founding team's research pipeline
- Proof of concept demonstrated, working to secure sales & volume production by end 2017
- Investors



Dr Antony Rix, CEO & Co-Founder

12 years experience in IoT, hardware, software & platform development at TTP

Co-founder, Psytechnics (BT spin-out in network monitoring, acquired by Netscout in 2011)

PhD applying machine learning to telecoms



Paul Egan, VP Business Development

Over 30 years in the wireless tech industry.

Co-founder, Neul, Pioneer of LPWAN Technology, acquired by Huawei in 2014.

Part of the founding teams of IoTUK, CSR, ARM



Richard Green, Chair of the Board

Co-founder and former CEO, Ubisense (precision location technology, AIM IPO in 2011)

Co-founder, Smallworld (geospatial software, Nasdaq IPO in 1996, acquired by GE in 2000)

Martin Jackson, VP Engineering

Former CTO/VP Eng, Virata, Frontier Silicon, Plastic Logic, Elektron

Glen Clark, Interim FD

Former CFO, Marshall Aerospace

Dr Chu Wang, Embedded Electronics & Firmware Engineer

Jason Spiliotopoulos, Application Engineer

... and partners



Prof. Ashwin Seshia, NED & Co-Founder

Professor, University of Cambridge

Co-founder, Silicon Microgravity

Technical lead and MEMS expert



Dr Yu Jia, Co-founder

Lecturer, University of Chester

Inventor of energy harvesting technology



Dr Jize Yan, Co-founder

Associate Professor, University of Southampton

Key contributor to applications development



Prof. Kenichi Soga, Co-founder

Chancellor's Professor, University of California, Berkeley

Expert in structural condition monitoring



Thank you



Powering the Sensor Revolution

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