

# IDTechEx

## Identifying Commercial Opportunities and Markets for Energy Harvesting & Storage

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# Overview of our services

IDTechEx supports your strategic business decisions on energy harvesting and storage, printed electronics, electric vehicles, emerging materials and components, RFID, by providing



## Reports, Subscriptions and Advisory Services

Over 70 globally cited market research reports

Company profile database, premium articles, access to analysts



## Events

Run **over 60** events in the past 13 years. IDTechEx organize the World's leading events for Energy Harvesting and other topics.



## Consultancy:

Over 275 consultancy projects including opportunity scouting, market and technology appraisal, due diligence, masterclasses...

## Web Portals

Printed Electronics World, Energy Harvesting Journal, Electric Vehicles Research

# Energy Harvesting Webinar – Dr Harry Zervos - Conclusions :

- Large market for energy harvesting applications in many verticals for many different harvesting and storage technologies
- Significant interest so far mostly in the building automation sector. Industrial automation building up pace, some sectors more difficult to penetrate than others
- Competition from battery technologies, both on cost and performance is not to be ignored
- Government mandates push adoption and can offer a helping hand to the tool box of technologies and applications that energy harvesting and wireless sensors enable (smart meters, TPMS, CO gas sensors)

# Acquisitions – Fund raising

Linear Technologies acquired Dust Networks (December 2011)

Lord Corporation acquired MicroStrain (August 2012)

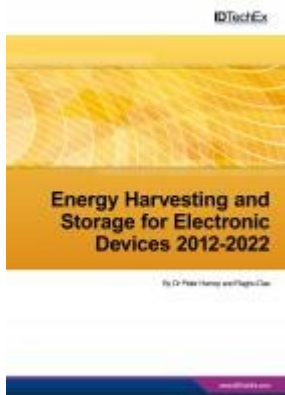
Micropelt raised €6.5 Million in May 2012

Laird acquires Nextreme in February 2013

The EnOcean Alliance has over 300 member companies

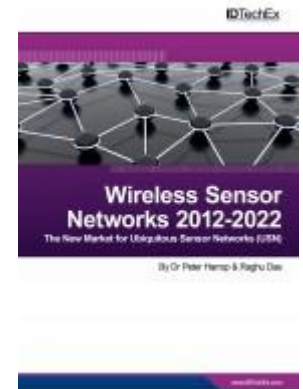
But also... Infinite Power Solutions withdrawing from the energy harvesting space

# IDTechEx Research on energy harvesting and wireless sensors



## Energy Harvesting and Storage for Electronic Devices 2013-2023

## Wireless Sensor Networks 2013-2023



[www.idtechex.com/research](http://www.idtechex.com/research)

International Conference and Exhibition

 **Co located events.  
See how much you gain**



Energy Harvesting & Storage Europe 2013

Wireless Sensor Networks Europe 2013

Berlin 17 – 18 April :

**[www.idtechex.com/europe](http://www.idtechex.com/europe)**

# Keynote (09:00 – 10.55)

[IDTechEx, Dr Harry Zervos, Senior Technology Analyst](#)

09:00 - 09:15 "Energy Harvesting and Wireless Sensors: Solutions for Building Automation and Civil Infrastructure" , Energy harvesting and wireless sensor technology uptake ,Market forecasts

[GE Energy Germany GmbH, Dr Thomas Kafka, Field Application Engineer](#)

09:15 - 09:40 "Wireless Sensor Deployments in Industrial Applications"

[Shell Global Solutions, Mr Brian de Vuijst, Frontier Automation Engineer](#)

09:40 - 10:05 "Oil and Gas Asset Integrity Monitoring" Asset integrity and process safety

Why we need sensors and sensing systems

[ABB, Dr Kai Koenig, Scientist](#)

10:05 - 10:30 "WiTemp Wireless Temperature Transmitter for Process Industry Applications Powered by Thermoelectric Energy Harvesting - Field Trial Results"

[Sentec Ltd, Mr Edward Taylor, Technology Developer](#)

10:30 - 10:55 "Finding Energy Harvesting Applications and Getting Them to Market" Review of Sentec's collection of Technology

[Freescale Semiconductor, Mr Kaivan Karimi, Sr Product Marketing Manager](#)

11:30 - 11:55 "The Role of Sensor Fusion in the Internet of Things (IoT)" The next evolution of sensors - sensor fusion ;Sensor fusion enabling context-awareness; Internet of Things and potential and implications of sensor fusion ; Expansion in the delivery of context-aware services, and privacy issues.

# Thank You

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