

Niagara Energy Harvesting Wireless



About CNS



Open Standards





Control Networks



Products & Solutions











About CNS



- It creates market disruptive SMART web based solutions for building controls
- Which enable its Global Partners to deliver smart lighting controls which Save Energy, Money and Address Sustainability





Why Energy Harvesting Wireless?





Why Wireless Energy Harvesting?



Wey Issues

- Cost of installing control input devices
- Rising cost of electricity
- DRM/Security of Supply
- CO₂, Carbon Tax/CRC, Regulation/Building Standards
- Operations & Maintenance
- Sustainability

Key Outcomes

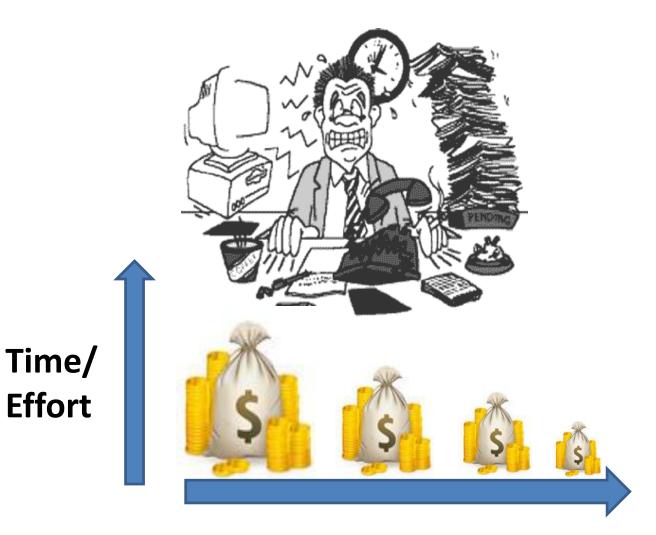
- 15%, reduction in installation costs, new build
- 70%, reduction in installation costs, retrofit
- Energy savings & Unparalleled flexibility
- Vendor and maintainer independence
- Reduced O&M, increased Business profitability
- Higher asset valuations & building ratings
- Address Sustainability and CSR targets





To Change Your Business From This?





Return



To Being Niagara "Smart", Means More Like This!





Time/ Effort

Return





While Addressing End Client Key Issues



- Energy saving
- Vendor independence
- Web based solution
- Understanding the benefits of converged technology
- Cost savings
- Flexibility
- Real-Time access to value data
- Increased asset values and building ratings
- Projects and global scale





Convergent technology?







Convergent technology?







Whose Convergent Technology? Tridium's Niagara®!



- World's de-facto standard convergent web technology platform.
- In essence, a software framework for building device-toenterprise applications and Internet-enabled products.
- A unified platform to easily build Internet-enabled products and software applications for controlling and managing diverse "smart" devices across an enterprise in real time.
- 20,000+ certified Niagara engineers, 1,000s of organisations
- 400+ global OEMs producing building management, automation and energy management solutions based upon Niagara installed in 500,000+ buildings. See www.tridium.com.





Whose Wireless Energy Harvesting Technology?



EnOcean®

- A Global Open published standard for intelligent wireless device networks, ISO/IEC14543-3-10
- Low power enables energy harvesting from the environment
- 25M+ installed devices globally and growing at 20%+ per year
- 300+ EnOcean device and solutions manufacturers
- EnOcean Alliance Equipment Profiles (EEP) provide guarantee of interoperability





What is being delivered to End Clients Today?



- Proprietary
- Complex
- Costly
- Limited data
- Energy savings?
- Inflexible





What Do End Clients Want?



- Choice
- Convergence
- Simple
- Information
- Energy saving
- Flexibility to be in real control!

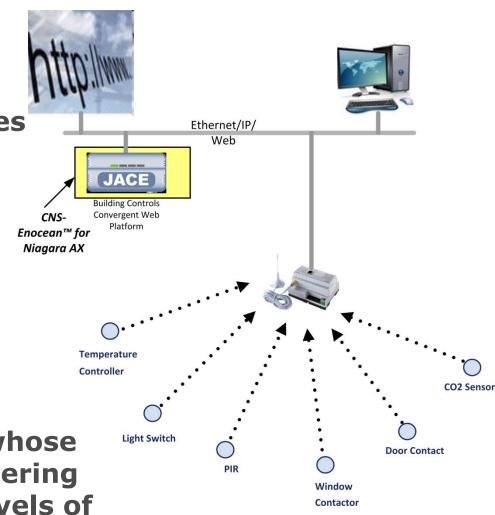


Why cns-enocean Solution?

Web based Niagara solution for EnOcean wireless switches and sensors -

- Commissioning
- Control
- Maintenance
- Management
- Visualisation
- Analytics

Delivered by organizations whose business depends upon delivering high quality solutions and levels of service.





Why cns-enocean™?



- ❖ The most vendor independent EnOcean solution globally – Many open standard EnOcean device suppliers, many Niagara web convergent platform OEM suppliers and 1000's of System Integrators
- Seamlessly co-exists with other applications running on Niagara web convergent platforms, so offering a High Return on Investment!
- Reduced commissioning time, errors and risk
- Simple to understand architecture, low installed component count, providing low risk and cost solution
- Internet of Things (IoT) solution







To discover more!

Web: cns-enocean.com

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