



A2EP – 2xEP Energy Productivity Summit
04-05 April, 2017
Australian National Maritime Museum
Darling Harbour, Sydney

Session 05
2xEP by 2030 by sector – Buildings

Eli Court

Stefan Schwab > presentation follows

Michael Apps

David Green

Naomi Martin

Chair: Stuart White



Doing more. Using less.

Digitalization...the next frontier of energy productivity in buildings


Stefan Schwab,
Executive General Manager, Building Technologies

Real estate is a large expense for most companies: Improving building performance is a big lever for cost saving and efficiency increase

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Real estate is often the
 **2nd**
largest expense on
the income statement
for most companies.

Operation costs account for
 **71%**
of the total cost of a
building's ownership.-

Worldwide, buildings consume
 **42%**
of all electricity – up to
50% of which is wasted.

Energy costs alone represent about
 **30%**
of an office building's
total operating costs.

In most organizations, the
real estate portfolio is the
 **3rd**
most valuable or
expensive single asset.

All around the globe, we work for our customers

400+
branch offices

16
R&D sites

200,000+
service agreements

9
production
facilities

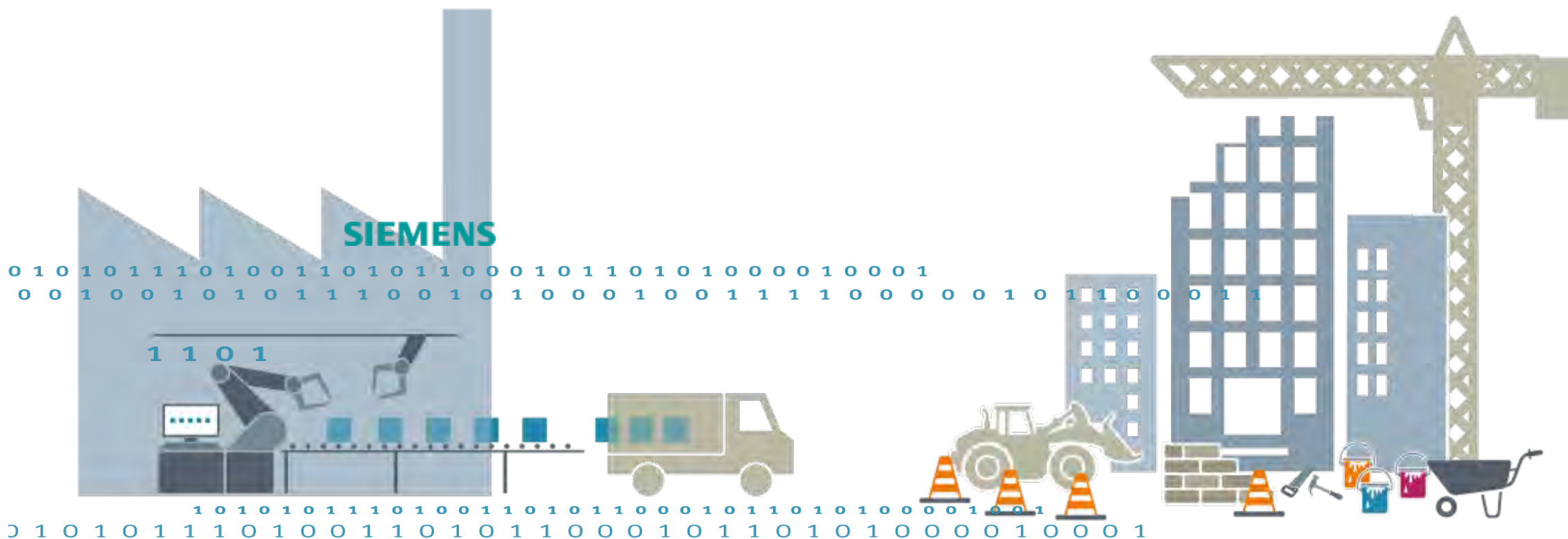
2,000,000t
CO₂ savings per year

4,300,000
fire and smoke detectors
sold in fiscal year 2015

27,000+
employees, 10,000 of
those service technicians

40,000+
new system installations globally
each year; 500,000+ total

Siemens drives the digitalization in industry but also in buildings



Digitalization in buildings generates additional customer value

From Building Data



...to Customer Value



Creating perfect places: Museums Victoria



- Reduce greenhouse gas emissions by 35% – as much as planting 835,891 young trees or taking 6,000 cars off the road
- Reduce its water usage by 6% – equivalent to the capacity of 102 backyard swimming pools
- Reduce electricity costs by 32% – enough to power 1264 homes

Museums Victoria joins other iconic sites around Australia...

Intercontinental Hotel, Sydney



Melbourne Cricket Ground



....and around the world to partner with Siemens

The Crystal, London



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Carnegie Hall, New York City



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Digitalization Means Buildings Talk

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