

An aerial night view of a city skyline, likely Shanghai, featuring several prominent skyscrapers. The buildings are illuminated with various lights, and a river is visible on the right side. The sky is a deep blue, suggesting dusk or dawn.

The circular world of intelligent facilities and asset management

Intelligent Facility Management: Transforming Data into Information

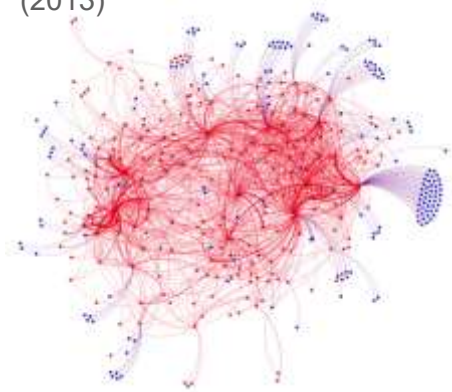
Nick Elford
SMART City & Infrastructure Cloud Accelerator Lead
Construction & Engineering Global Business Unit

Safe Harbor Statement

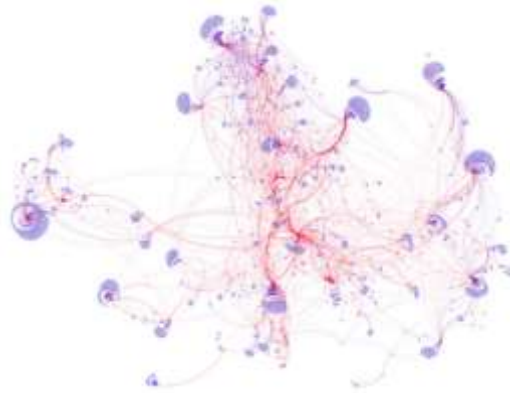
The following is intended to outline our general product direction. It is intended for information purposes only, and may not be incorporated into any contract. It is not a commitment to deliver any material, code, or functionality, and should not be relied upon in making purchasing decisions. The development, release, and timing of any features or functionality described for Oracle's products remains at the sole discretion of Oracle.

Unique Communication & Information Sharing Model

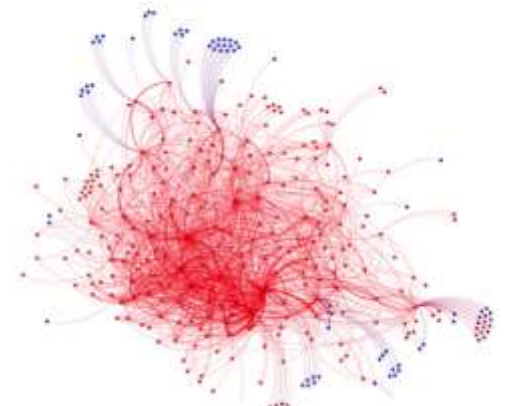
“McGraw Hill Construction, general contractors reported the ability to share project documents as the top factor affecting collaboration (2013)”



Software



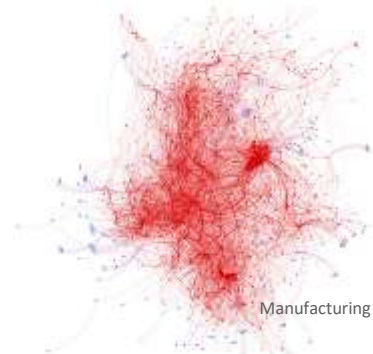
Construction



Media & Entertainment



Financial Services



Manufacturing

Welcome the Zettabyte

WHAT'S A ZETTABYTE?	
1 kilobyte	1,000,000,000,000,000,000
1 megabyte	1,000,000,000,000,000,000
1 gigabyte	1,000,000,000,000,000,000
1 terabyte	1,000,000,000,000,000,000
1 petabyte	1,000,000,000,000,000,000
1 exabyte	1,000,000,000,000,000,000
1 zettabyte	1,000,000,000,000,000,000

SOURCES: CISCO

“Global IP traffic will pass the zettabyte ([ZB]; 1000 exabytes [EB]) threshold by the end of 2016, and will reach 2.3 ZB per year by 2020”

Legacy of Major Programmes: Making Good on our Promises

Oxford Major Programme Management Conference

11 November 2016

OUR MARSHALL LECTURE THEATRE

Construction Legacy: Zero Productivity Improvement for 50 Years



In most countries, over the past 50 years, productivity improvements in construction have been absent. Construction lives in the past.

Source: International Labour Office (ILO), 2010

85% of E&C Firms have **single** digit growth & margins (2005-15)



Source: McKinsey

Today's Imperatives

Resource Capacity



Insufficient resources with necessary skills and experience

Risk Mitigation



Reducing risk & contingency spending

Regulatory Compliance



Impact on the real estate portfolio from continual enhancements from government organizations

Collaboration



Siloed approach is a large roadblock for multi-functional groups for cross communication

Financial Discipline



Balancing spending with revenues

Expanding Operations



Larger and more complex facilities and asset portfolios

Collaboration and Partnering Lifecycle Single Platform Agility and Open Standards



Capital Project Controls Solution

Plan - Design - Build



FMRE Solution

Manage - Operate – Optimize - Maintain



REAL ESTATE PORTFOLIO MANAGEMENT

FMRE COST MANAGEMENT

DOCUMENT MANAGEMENT and VISUALIZATION

FACILITIES MANAGEMENT

REAL ESTATE MANAGEMENT

ASSET MANAGEMENT	MAINTENANCE MANAGEMENT	SPACE MANAGEMENT	CONDITION ASSESSMENT	LEASE MANAGEMENT	TRANSACTION MANAGEMENT	DATA MANAGEMENT	ENERGY MANAGEMENT
Asset Creation	Portal Service Requests	Space Planning Classifications	Facility Inspections	Lease Requests	Prospective Properties	Property Titles	Carbon Footprint
Asset Templates	WO Requests	Stacking Plans	Uniformat II System Codes	Leases	Property Acquisitions	Insurance Certif	Emissions
Assets by Type	Corrective WO Preventive WO	Space Requests & Assignments	FCI Index	Lease Contacts	Property Dispositions	Deeds	Utilities Mgmt
Asset Warranty	Job Plans PM Books	Move Management	Facility Condition Manager	CAM Reconciliation	Property Creation	Easements	LEED Certifications
Asset Meters	Material SKUs Material Inventory	Room Reservations		Lease Actions		Parcels	Recycling
Asset Total Cost	Material Requests Materials Received			Amendment Reqs.		Permits	Waste Generation
				Lease Invoices		Property Taxes	
				Lease Payments		RE Payments	
				Lease Termination			



Alberta
Health



AvalonBay
COMMUNITIES, INC.

KeyBank


Berkeley
UNIVERSITY OF CALIFORNIA



Executive Overview

Oracle's Real Estate & Facilities Organization



Supports nearly 130,000 employees & contractors in over 25 million rentable square feet globally

612 buildings

60% owned 40% leased

\$1

Manages a \$1 billion real estate operating budget to accommodate Oracle's business needs

B

10k lines expense operating budget



Manages related space and assignment data through Oracle Property Manager (PN) integrated with Oracle Human Resources (HR) data



Makes facility decisions with significant long-term financial impact based on a variety of data.

In house team



Bangalore

2.8 million Sq Ft

11,000 Employees

Engineering, Sales, Marketing, Global support, Finance and Consulting

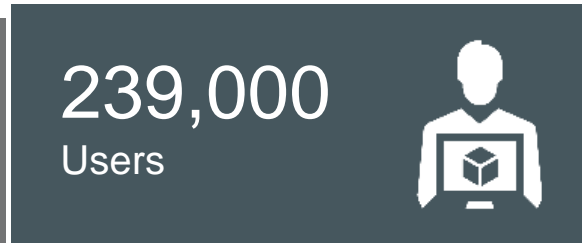
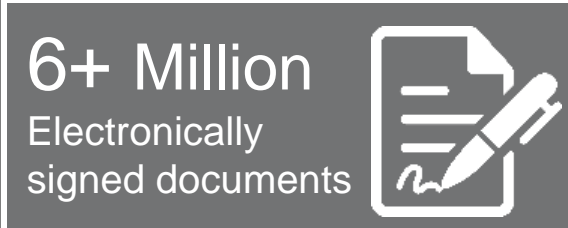
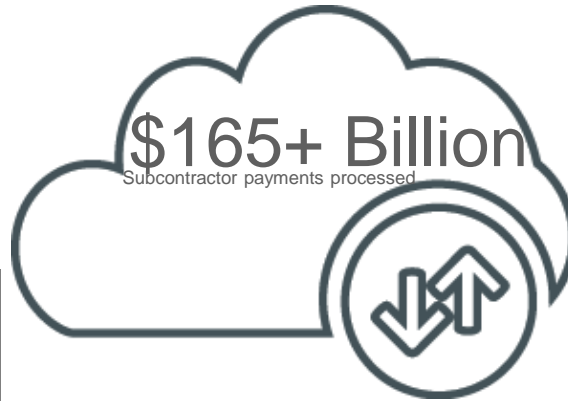
Tailored for Oracle's increasing workforce of millennials

Harry Potter or Professor Tim Graves



Industry Cloud Leadership

- Textura Payment Management (TPM) Solution







Learning

Legacy



West Ham have released a survey about their impending move to the Olympic Stadium

What is Modern Best Practice?



Definition +

Why Adopt? +

Enablers >

Example +

Get Started +

Modern Best Practice Enablers

To move from best practice to modern best practice requires the following: the cloud, mobile, analytics, social, the Internet of Things, and big data.

→ Learn more about **big data** and the Internet of Things



ORACLE®