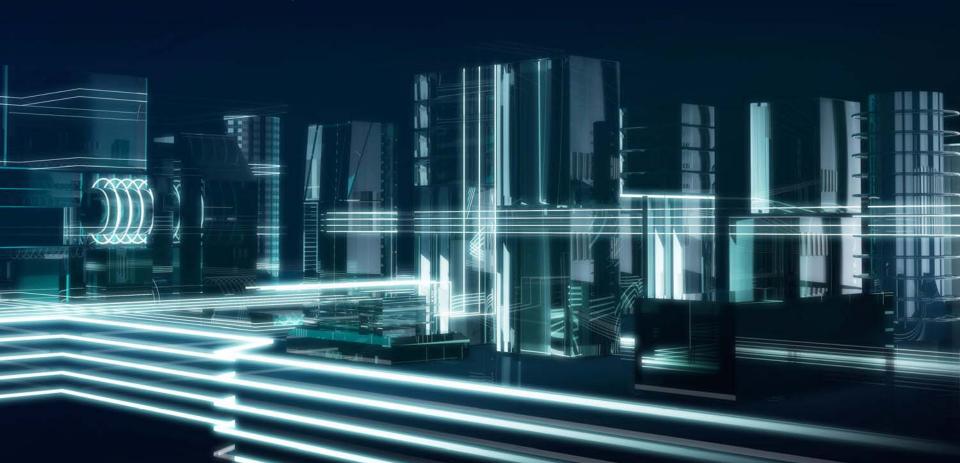


Intelligent Buildings & THE IoT's

James Hill - NG Bailey IT Services





Company Overview

- Safety First & Foremost
- Formed 1921, family owned, over 90 years of history
- 2,500 employees
- £450m plus turnover
- Annual investment in training of £3m
- Offering a Design, Build, Operate and Maintain solution to the marketplace – integrating five core divisions.



DBOM











Evolution of the Internet

BUSINESS AND SOCIETAL IMPACT

Connectivity

Digitise access to information

- Emai
- Web Browser
- Search

Networked economy

Digitise business process

- E-commerce
- Digital Supply Chair
- Collaboration

Immersive experiences

Digitise interactions (business & social)

- Social
- Mobility
- Cloud
- Video

Internet of everything

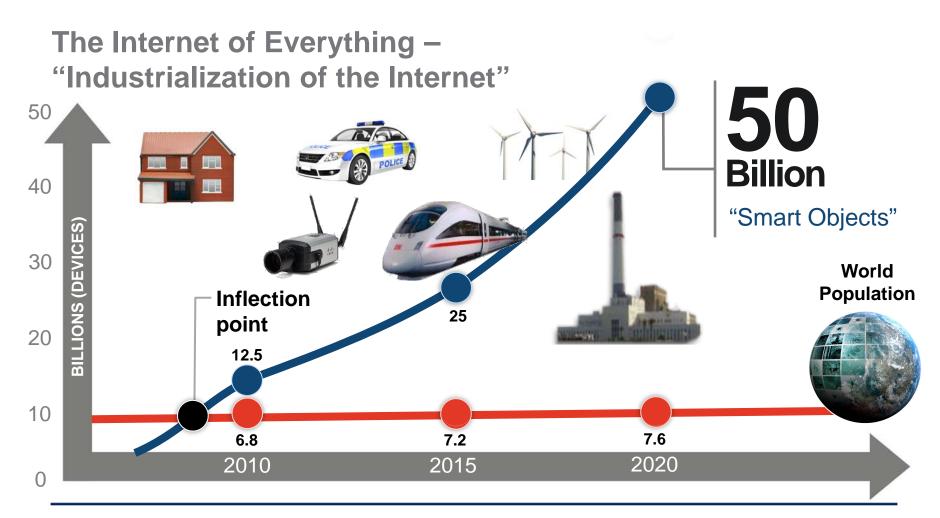
Digitise the world

Connecting:

- People
- Process
- Data
- Things

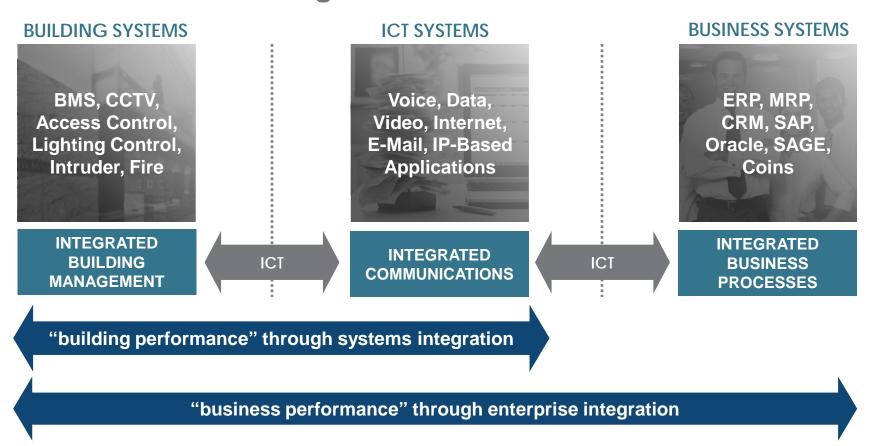
INTELLIGENT CONNECTIONS





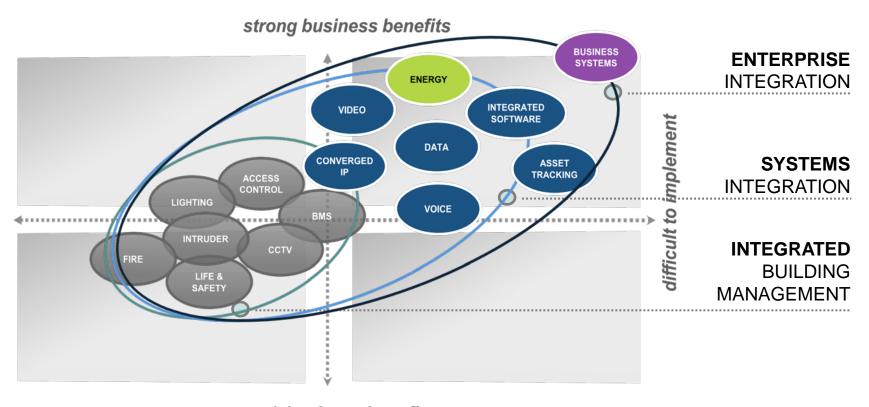


Gradations of Convergence

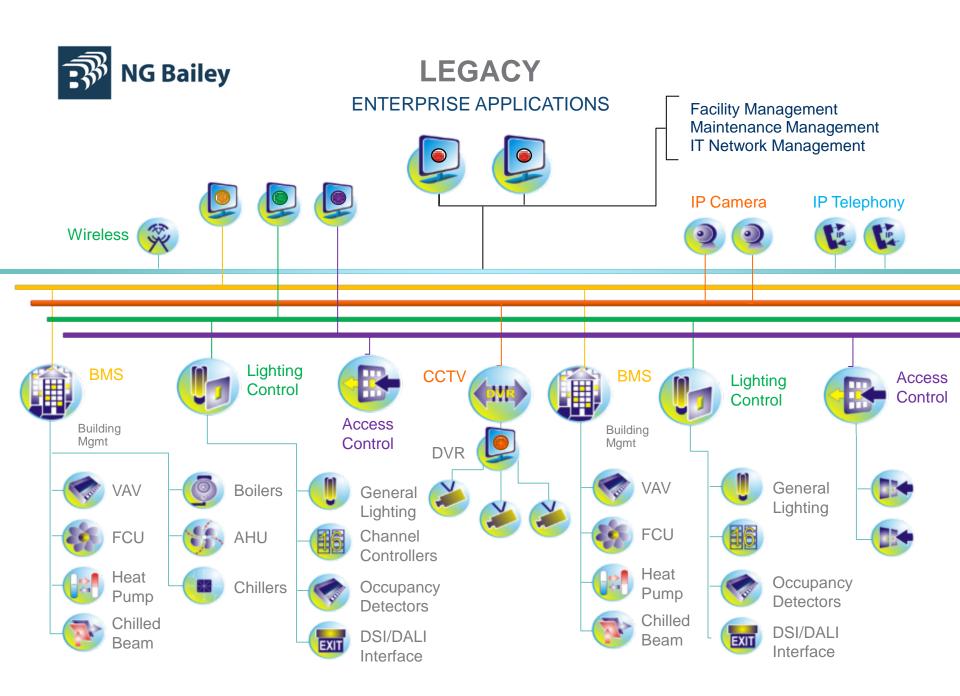




Integration Opportunities



weak business benefits





CONVERGENCE

ENTERPRISE APPLICATIONS

Middleware Server

Translation of disparate protocols to Common format











Canaral

Energy Management
Building Management
Facility Management
Security Management
Maintenance Management
IT Network Management

IP Camera

IP Telephony









IP is the Standards: Best of Breed Edge, Future Readiness

Power-over-Ethernet redefines Electrical Engineering, Contracting

Performance Transformation: Monitor, Measure, Control

Real-time: Respond and Optimize

Beam Smoke

Smoke Break

Environmental Sustainability

Security Architecture

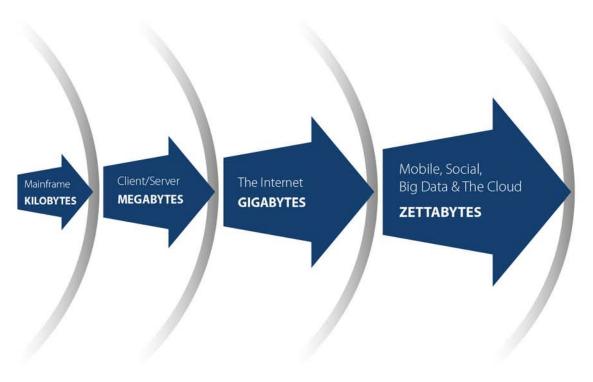


Big Data

"Big Data" is data whose scale, diversity, and complexity require new architecture, techniques, algorithms, and analytics to manage it and extract value and hidden knowledge from it...







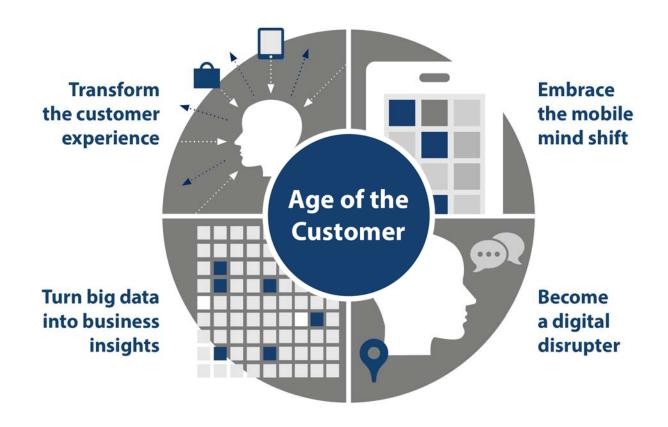
Every 60 seconds

- **98,000+** tweets
- **695,000** status updates
- 11 million instant messages
- **Q** 698,445 Google searches
- 168 million+ emails sent
- 1,820TB of data created
- **217** new mobile web users

Yottabytes



What does this mean to our customers?





Digital Disruptors









IoT is here Today - Connected Retailer

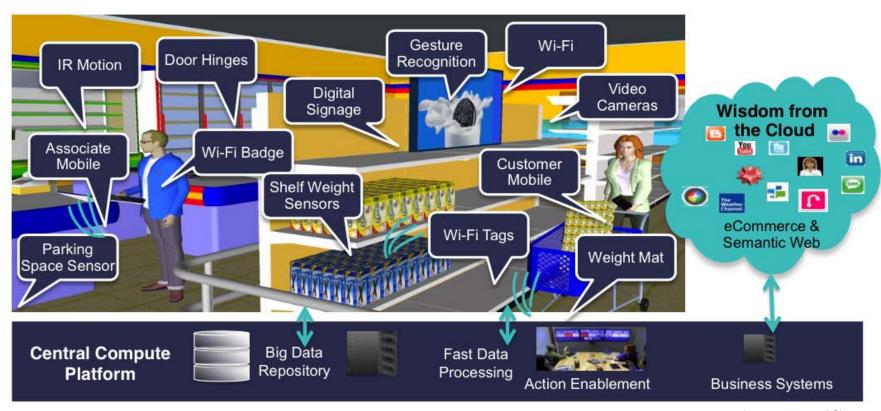
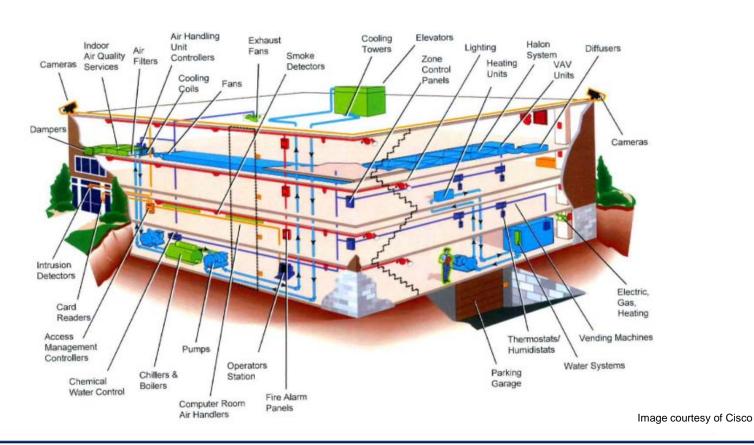


Image courtesy of Cisco



Internet of [Building] Things





Value Architecture



Aspiration, Vision and Value



Intelligent Applications and Services



Operations and Services Delivery



the Network is the Platform



Systems and End Devices



Questions & Answers

