

EDA Business Forum

Thorpe Park – Leeds

24th September 2013

BIM (Building Information Modelling)

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Marketing Manager
Overhead Cable Management Systems

Legrand Electric Limited





Global specialist in electrical and

digital building

infrastructures

The Legrand Group... global leader in its field

COMPANY OVERVIEW

Legrand has a complete offer, tailored to the commercial, industrial and residential markets. With a presence in more than 70 countries and a workforce of 31,000 people, Legrand made sales of 4 billion euros in 2012. Legrand's electrical and digital infrastructures market is valued at approximately 65 billion euros.

INNOVATION

The driving force behind Legrand's development. With an increasing investment in research and development (circa 5% of sales) and more than 4,000 active patents, the Legrand Group is focused on maintaining a high rate of new product launches that present innovative solutions to the market.

PRODUCT RANGES

Control and monitoring of installations, cable management, power distribution, distribution of "voice-data-image" systems ... Legrand provides numerous solutions for managing lighting, heating, energy, networks and access in buildings.







Legrand in the UK...

powered by specialists

In the UK Legrand has developed a customer focused structure which harnesses the power of its market leading specialist brands to deliver innovative, integrated solutions for every phase of construction.





POWER DISTRIBUTION

From transformers, through rising main busbars and distribution boards to power track, desk modules and lighting control...









Swifts Salamandre



CABLE MANAGEMENT

Legrand's established Swifts, Salamandre, Cablofil and Arena-Walsall ranges give our cable management business division a firm leadership position in the UK.











Much more than just a vast selection of switches and sockets... this business division also includes door entry systems, home systems, lighting control and consumer units.















BIM...definition?

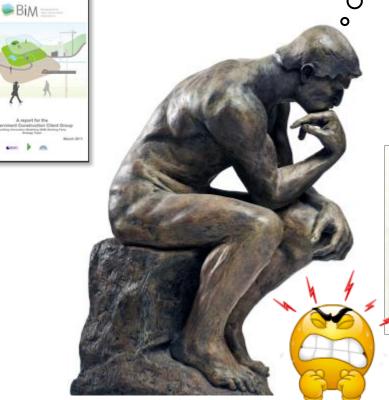


NSSPlus











Building Information

Management



BIM...what it is

- BIM is a concept, a mindset
- BIM is essentially 'value creating' collaboration through the entire project lifecycle
- The process of creating a computer model of a building project that can be used to design, analyse, build, manage, refurbish and even demolish that building
- BIM = Building Information Modelling

or better still...

BIM = Better Information Management





BIM...what it isn't

• BIM is a concept, a mindset

BIM is essentially 'value creathrough the entire project life

It's not just 3D

pcess of creating a cog project that can be use manage, refurbish ar

building

It's not just a new technology application

en demolish that

BIM = Building Information Modelling

or better

BIM = Better Information

It's not 'next generation',

Sometimes it's easier t

it's here NOW





BIM...& the Government

- Buildings use 46% of all energy up to 70% in cities
- Construction uses 53% of primary materials
- Construction has second biggest environmental footprint after food
- 13 million tonnes of materials delivered & NOT USED
- 90 million tonnes of waste 3 times domestic output
- 21% of all hazardous waste in the UK is construction

The HMG BIM hypothesis

"Government as a client can derive significant improvements in cost, value and carbon performance through the use of open sharable asset information"





BIM...& the Government

"Is our sector fit-for-purpose for a future low carbon economy?"

- 20% savings to be made in terms of cost by 2020
- 26% reduction in carbon by 2020
- 80% reduction in carbon by 2050

Cash v Carbon







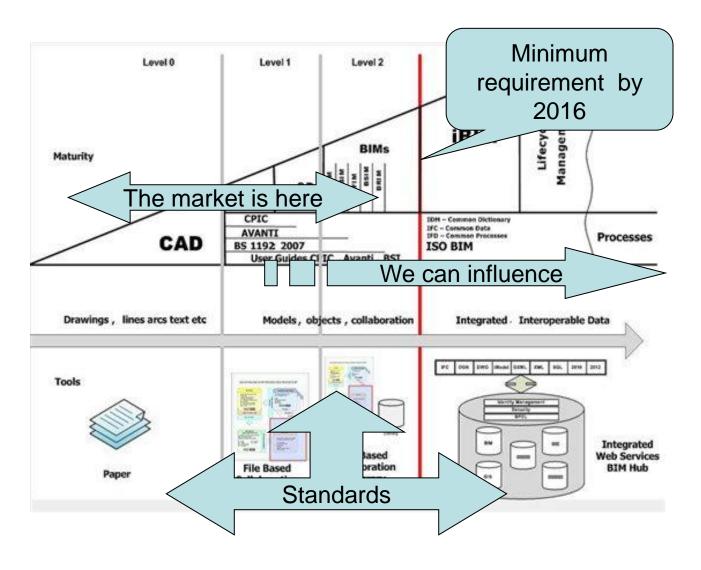


MAKE IT IN GREAT BRITAIN

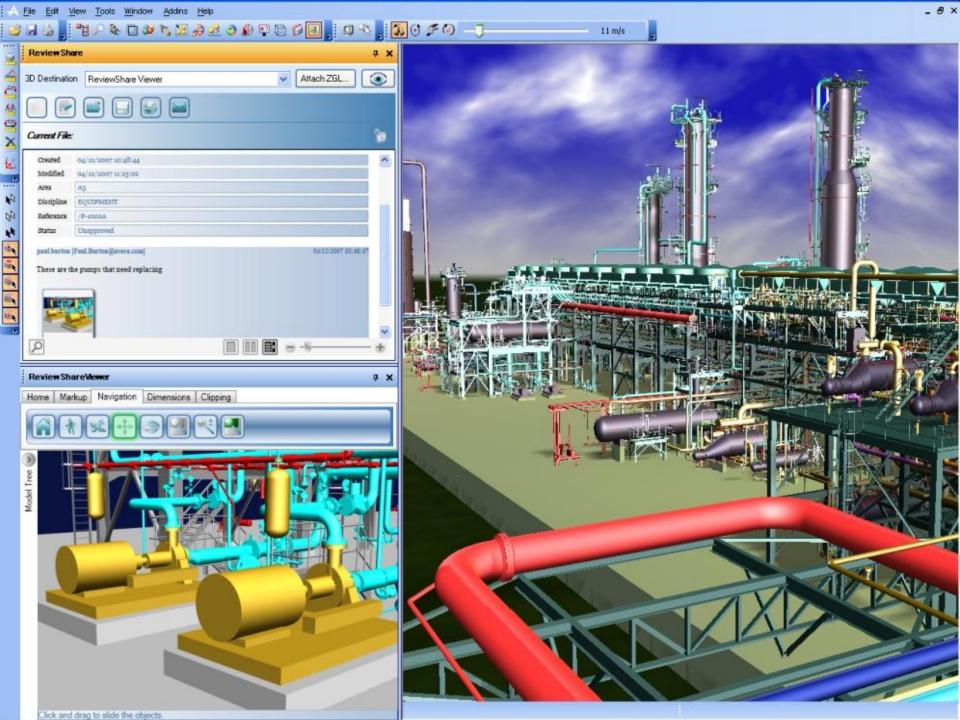




BIM...level 2 BIM by 2016









BIM...it's all about the "i"







BIM...the benefits

- Project information held in one place for the whole of its lifecycle
- 3D modeling systems enable design teams to work concurrently within the same project model
- In traditional design, 2D drawings passed between consultants and manually checked
- With BIM, intelligent models of the building can be passed between consultants and be combined into a single model
- BIM also aids clearer communication to everybody involved in a project
- With the future addition of 'cost', 'time' & 'FM' BIM
 offers not only 3D but 4D, 5D & even 6D capabilities





BIM...and Legrand





BIM...and Legrand



3D specification data for engineering software

(BIM – Building Information Management)



- PP&M (Process, Power and Marine)
- Transport
- Infrastructure



- Ongoing commitment to customer support
- Product catalogue integration into modelling software systems
- Allow designers to place parts into a 3D environment
- Enable procurement to run itemised & part numbered bill of materials





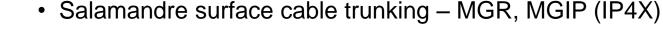
BIM...and Legrand



Swifts cable ladders – Topaz, Sapphire & Emerald
 HDG, D, SS



Swifts cable trays – MRF, SRF, XRF
 PG, HDG, D, SS





Cablofil wire mesh – CF30, CF54, CF105
 EZ, HDG, SS





BIM...where to find our data

name	served	Products	wnen?	wnere ?
PDS & SmartPlant 3D	PP&M (plants, ships & onshore / offshore facilities)	Swifts cable ladder Swifts cable tray Cablofil wire mesh	Now	www.legrand3d.co.uk
PDMS	PP&M (plants, ships & onshore / offshore facilities)	Swifts cable ladder Swifts cable tray Cablofil wire mesh Salamandre trunking	Now	www.legrand3d.co.uk



INTERGRAPH°

AVEVA

CONTINUAL PROGRESSION

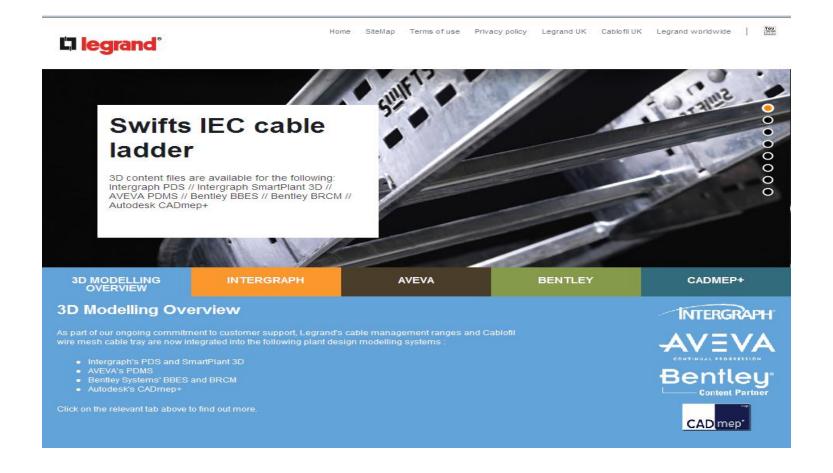


BBES & BRCM	Transport & Infrastructure	Salamandre trunking Swifts cable ladder Swifts cable tray	Now	Contact Bentley Systems www.bentley.com
Fabrication CADmep	Infrastructure	Swifts cable ladder Salamandre trunking & lighting trunking	Now	Contact Autodesk www.map- software.com



Legrand 3D website

www.legrand3d.co.uk





BIM...

