

#### WHO ARE WE?

- O'Rourke acquired Laing in 2001
- European and Australian hubs
- £2,513m turnover 2015/16
- 15,234 staff





- E5+ modular housing system
- Advanced Manufacturing Facility
- ~10,000 homes/year

### WHAT IS A 'BETTER' HOME?

- Safe to live in
- High quality and comfort
- Sustainable in manufacture
- Efficient on site
- With delight?





### SAFE TO LIVE IN

- Structure
- Fire
- Secure
- Healthy





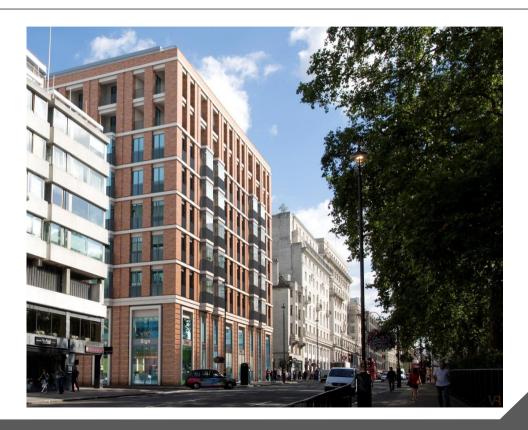
- Architectural layouts
- Façade
- 'Look and feel'
- Efficient and comfortable living environment:
  - Heating
  - Lighting
  - Ventilation
  - Wiring
  - Plumbing
  - Acoustics

Architectural layouts









### SUSTAINABLE IN MANUFACTURE

- Design for manufacture
- Reduced waste
- Pre-installed services
- Supply chain innovation
- Mass customisation?
- Quality Assurance



### SUSTAINABLE IN MANUFACTURE

Design for manufacture



# SUSTAINABLE IN MANUFACTURE

Pre-installed services



### **EFFICIENT ON SITE**

- Logistics, transport & lifting
- Quick!
- Safe, quiet and clean
- Easy commissioning
- 'Seamless' finishing



### **EFFICIENT ON SITE**

Logistics, transport & lifting



### **EFFICIENT ON SITE**

• 'Seamless' finishing





### **DELIGHTFUL TO LIVE IN?**

- Home automation
- 'Internet of things'
- Upgrade-able / reusable









#### **CONCLUSIONS**

- Challenges from
  - Perceptions
  - Variability
  - Seamlessness
- Modular construction can deliver better homes!
  - High quality
  - Quick
  - With some delight?

#### Thank you



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