DELIVERING BETTER, MODULAR HOMES

Muiris Moynihan
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
QUALITY AND COMFORT

- Architectural layouts
- Façade
- ‘Look and feel’

Efficient and comfortable living environment:

- Heating
- Lighting
- Ventilation
- Wiring
- Plumbing
- Acoustics
QUALITY AND COMFORT

- Architectural layouts
QUALITY AND COMFORT

Façade
QUALITY AND COMFORT

- Façade
QUALITY AND COMFORT

• Façade
QUALITY AND COMFORT

• Façade
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