



*build*offsite



Enabling collaboration in offsite construction

Agenda

*build*offsite

Welcome and Introductions; **Buildoffsite & JCB**

Buildoffsite Strategic Update

Member Governance, **Joe Dyde**

Strategic Update, **Professor Tim Broyd**

Hubs Update, **Nigel McKay**

Events Update, **Fareita Udoh**

Comfort Break & Networking

JCB Discussion & Workshop

Product Walkround/Machine features that benefit onsite installation of offsite products

The Future of Offsite Manufacturing

AOB & News

Networking lunch, followed by JCB Factory Tour



Governance

- CIRIA enables Buildoffsite through the provision of fiduciary and legal governance
- Introducing a more inclusive mechanism to shape it's activities and services
- Change in working principles
- Engaging with a much wider range of members
- Directly informing and shaping member activities and benefits



Working with and for the many

*build*offsite

- Ways of working:

- More inclusive and collaborative
- Generate, test and develop
- Testing value

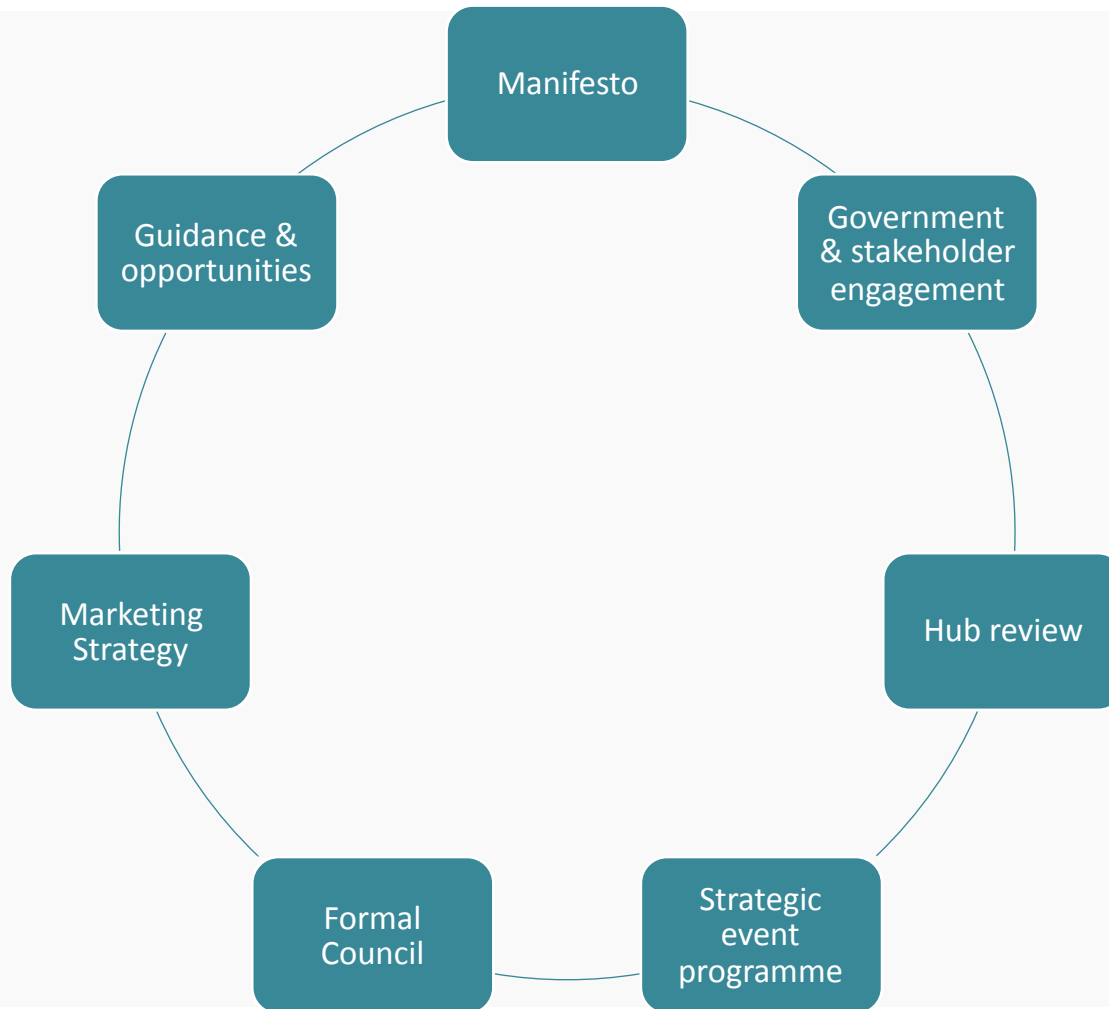
- Mechanisms:

- Surveys / polls
- Communications
- Focus groups and workshops
- General meeting
- Development of a formal Member Council structure



Structured and engaged approach

*build*offsite





Strategic Update

Who am I?

BSc, PhD U of Birmingham 73-79

WS Atkins 79-02

- Specialist services 79-94
- Corporate R&D 94-02

CEO CIRIA 02-07

Halcrow 07-12

- Corp Dir Technology, Innovation, Knowledge Mgt, Sustainability

U of Dundee 07-08

- Prof of Construction Management

UCL 12-current

- Prof of Built Environment Foresight, The Bartlett
- Hon Prof of Civil Engineering, Eng Fac


ICE

- MICE CEng 82
- FICE 93
- Member of R&D Panel 90s?
- Chair of Policy Panel 07-12
- Vice President 12-current
- Chair of Public Voice Comm 12-14
- Chair of Intl Comm 14-16
- President 16-17

RAEng

- FREng 03
- Member Eng Policy Panel 04-07
- Member/Chair of a Membership Panel 08-15

- Support and advise on the strategic direction, development and planning of the organisation
- Provide assessment and guidance on external funding opportunities for the organisation and its members
- Maintain, enhance and build relationships with key industry stakeholders and bodies, including:
 - Government departments
 - Construction Innovation Hub
 - Construction Leadership Council

Hong Kong 1st  odular Integrated Construction

**Design and Construction of Rank and File Quarters for
Fire Services Department**

**At Area 106, Pak Shing Kok, Tseung Kwan O
Contract No.: SS E502 (Programme No. 64JA)**

Main Contractor :



Architect :

hpa

Structural Engineer :

JACOBS

BS Engineer :

wsp



BIM Building Model for MiC Modules

By using ArchiCAD BIM software to facilitate

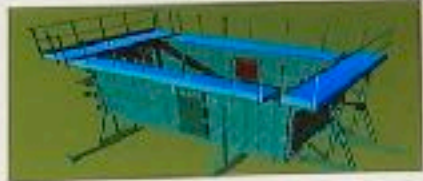
- Steel Mould Design
- Architectural Model Design
- BS and E&M Design



BIM Building Model



MiC MODULES



Copyright © You are Group. All rights reserved.
Please do not copy and circulate without permission.

Key Features

- Semi-precast slab MiC
- Rigid Diaphragm
- Avoid progressive collapse



Copyright © Yau Lee Group. All rights reserved.
Please do not copy and circulate without permission.



ITA, ETH Zurich Feb 20

buildoffsite



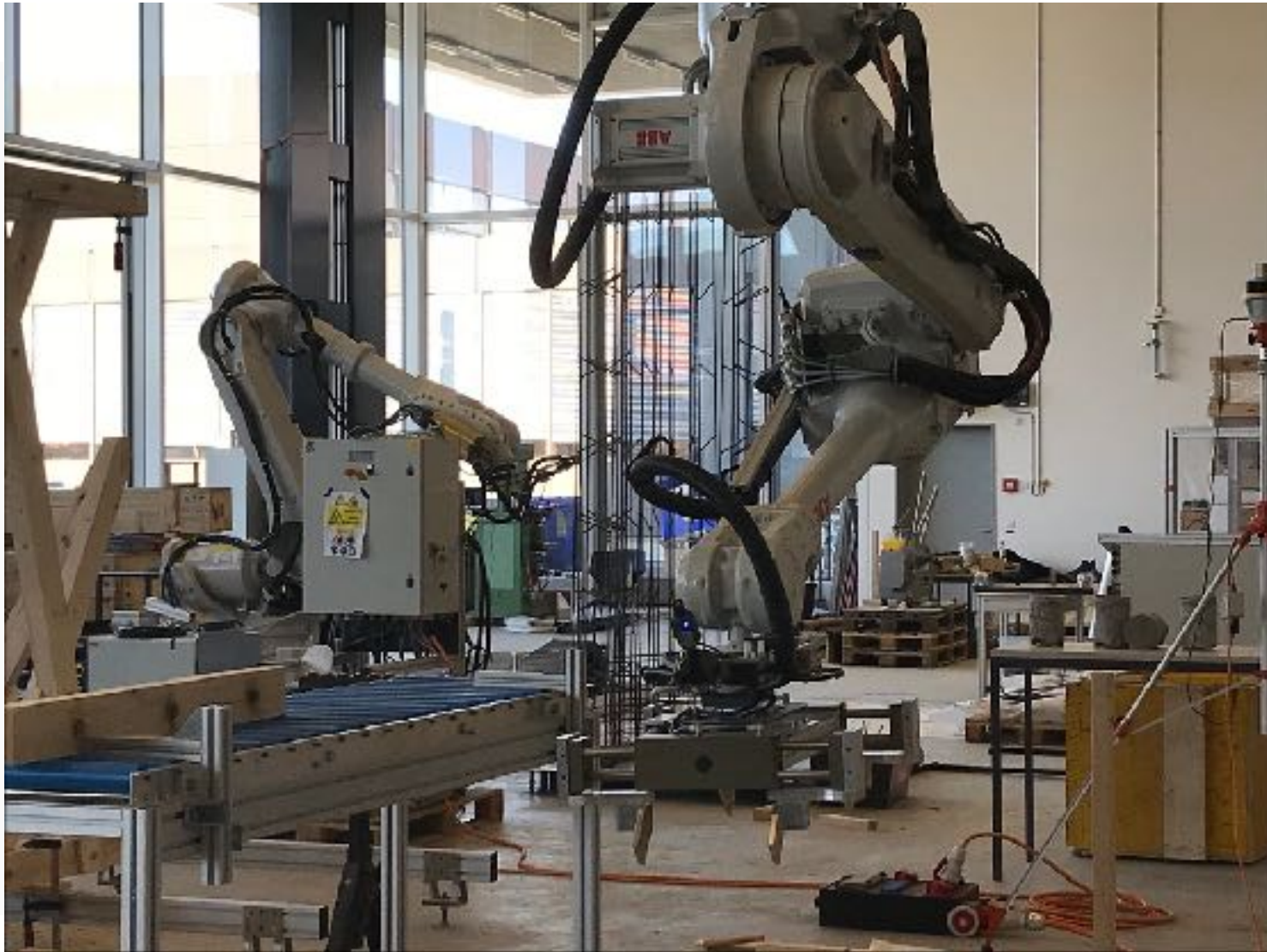
ITA, ETH Zurich Feb 20

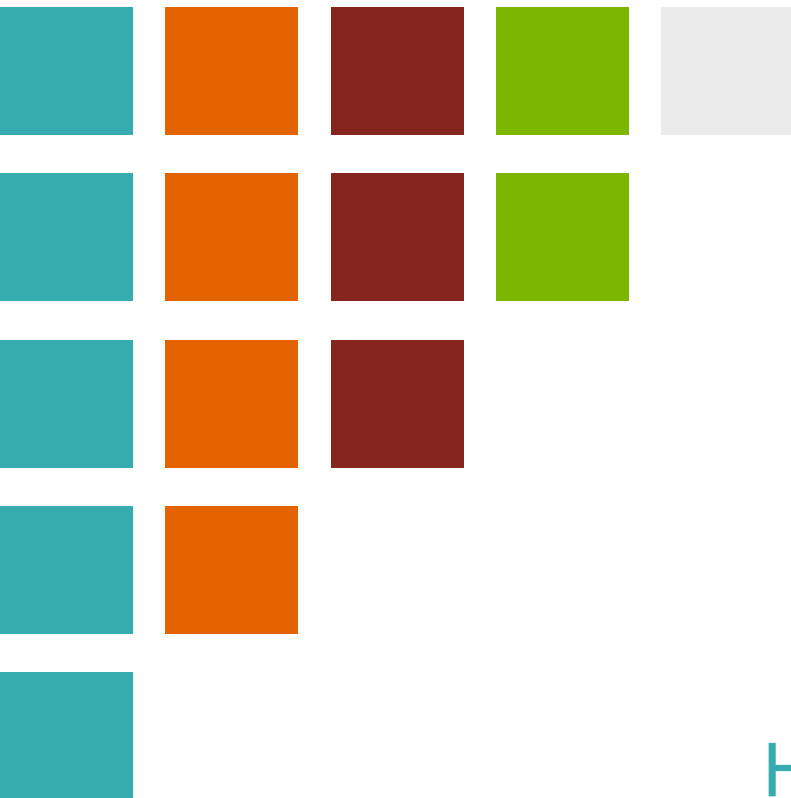
buildoffsite



ITA, ETH Zurich Feb 20

buildoffsite





*build*offsite

Hubs Update

Hubs – The Context

- Through the member survey, discussions with members and hub chairs, we evaluated what was and wasn't working well with our current hub structure and activity
- Internally, mapped out our current hubs and understood current level of success and support
- The main feedback highlighted that many members felt disengaged from hub activity and unaware of activity from hub to hub, and felt they couldn't attend all hub events
- A lack of a common approach or goals to the hubs was highlighted
- The hubs should ultimately be working groups to deliver tangible benefits and outcomes, for their individual sector but also the wider industry

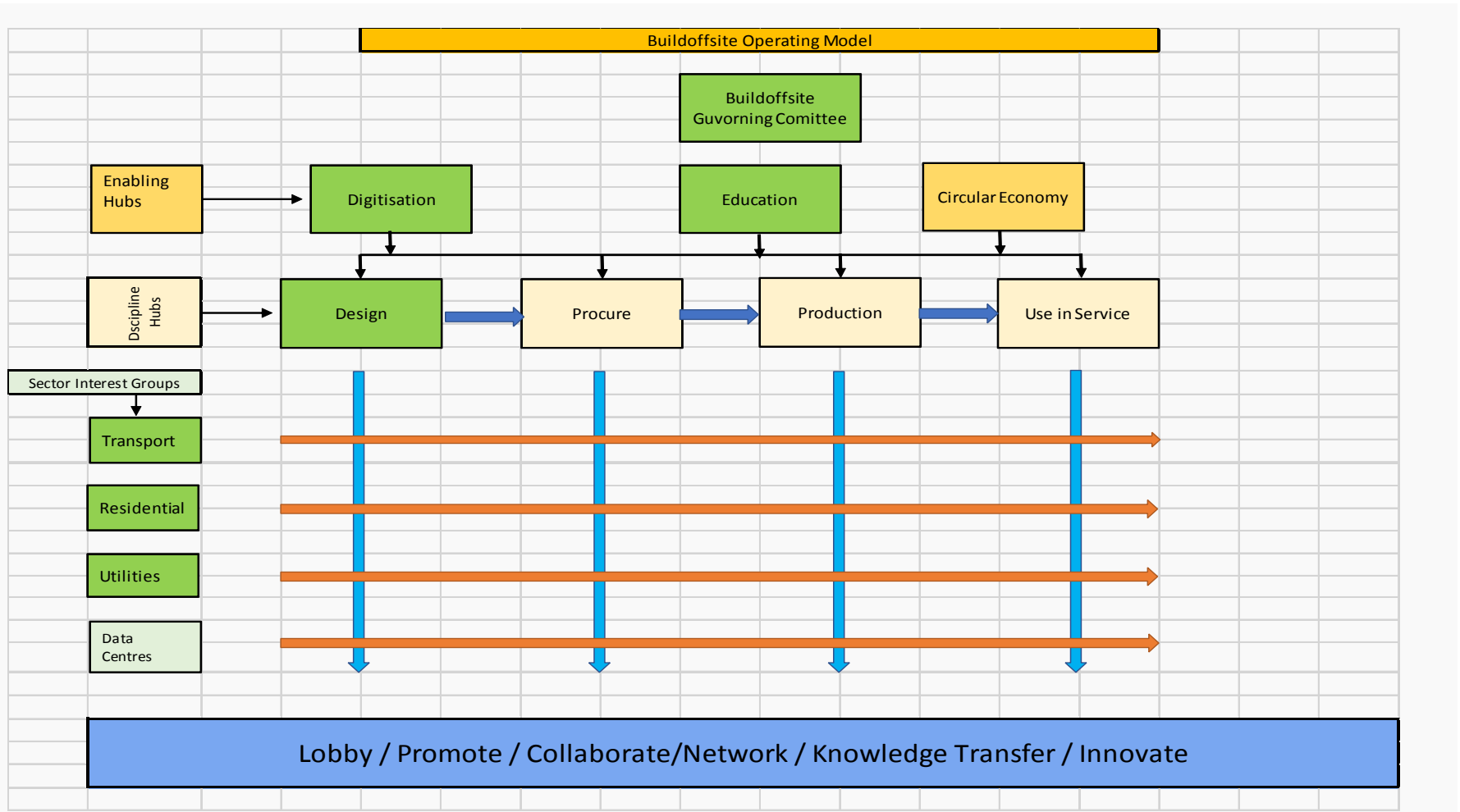
Hubs – Moving Forward

- Discussion internally about potential new structure
- Through communications and workshops – we will now test and evaluate this with members in the coming weeks
- Ensure the hubs are fit for purpose, well led and are striving to achieve the common goals of our members as set out in the manifesto and member feedback

Hubs – Moving Forward

- Set the Strategic Direction for the Hub
- Define the Aims and Objectives for each Hub
- Define Specific Focus Areas for the coming period / months
- Define the specific deliverables over the coming period(s)
- Plan Scope of Work, Agenda's for meetings, Presentations for Knowledge Transfer and Dissemination of Best Practice
- Define Lines of Communication between interdependent Hubs
- Track Progress against Aims and Objectives
- Ensure cross fertilisation into other Hubs, for example at least one member sits on either another Discipline or Sector Hub
- Build new member networks
- Lobby, Promote, Increase Traction of Buildoffsite
- Ensures Hub team has a good cross section of membership

Hubs – How we could evolve





*build*offsite

Events Update

Increased retention & engagement

Engage Targeted New Members to enable the offsite industry

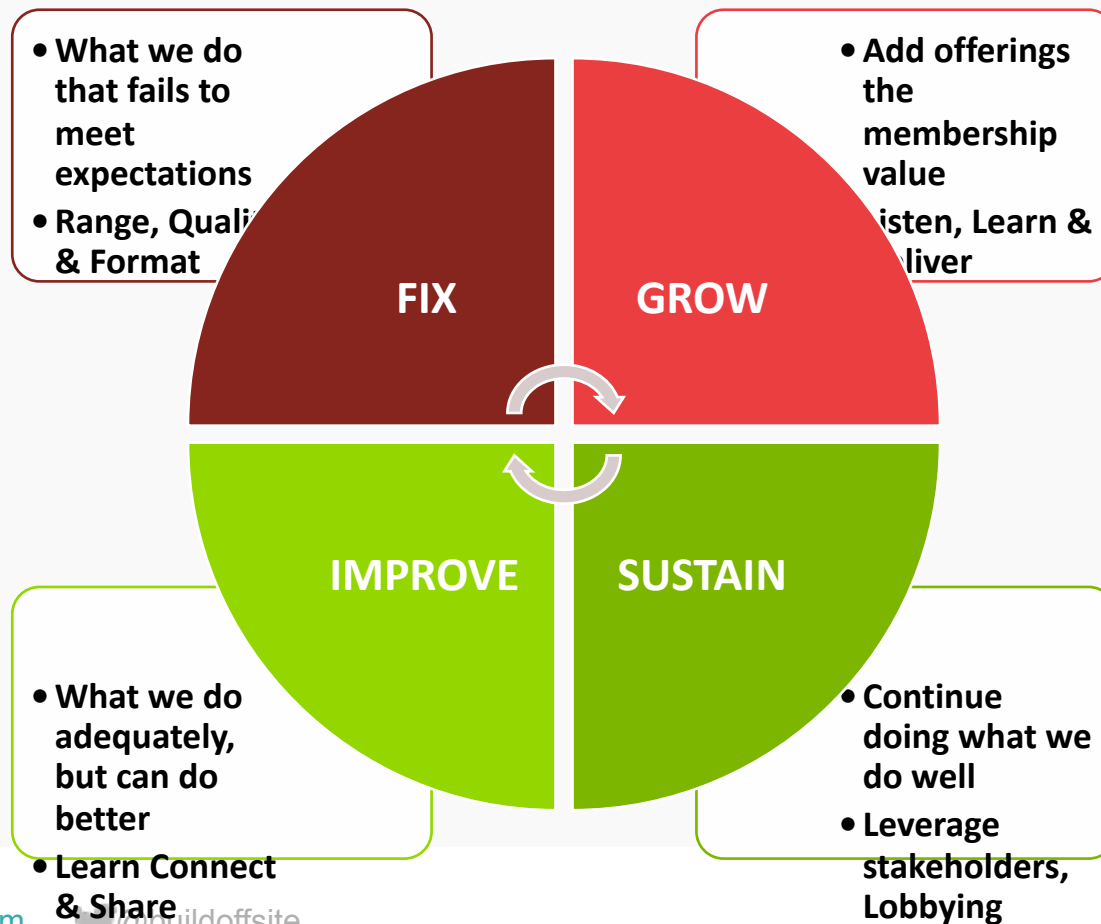
Buildoffsite
Membership

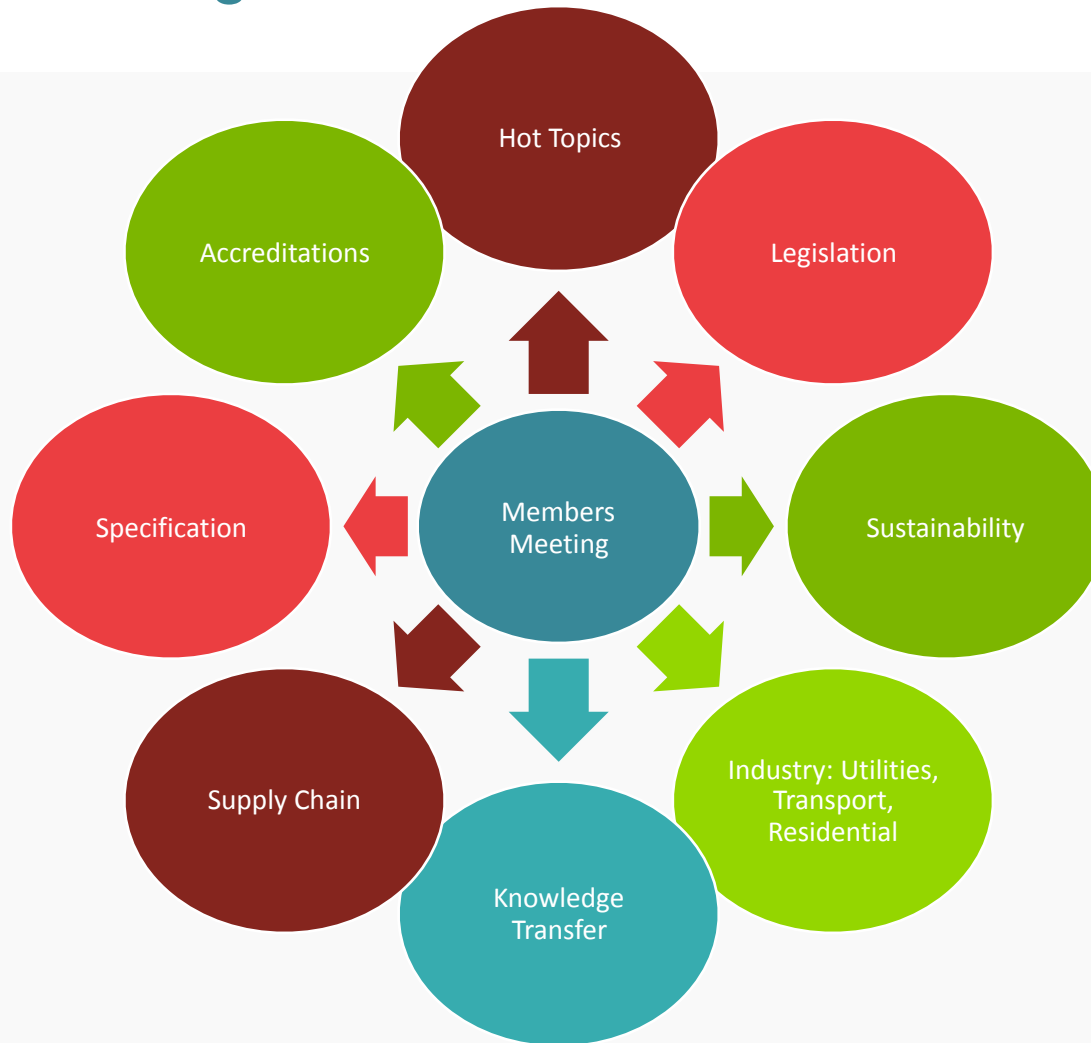
Event Sponsorship to deliver learning & new business opportunities

Project Income to Support Buyers and Deliver Innovation

The 2 Cs: Capacity & Capability

- The 2 key areas when delivering a response to tender. This applies to Buildoffsite delivering value to members.





SUPPLIER PROGRAMME OUTPUTS

buildoffsite

PREMARKET SCOPING EVENTS WITH BUYERS

- MEET THE BUYER
- COLLABORATE ON BUYER REQUIREMENTS

SOURCE OPPORTUNITIES WORKSHOPS

- ConstructionLine
- Achilles UVDB
- RSBB RISQS
- ContractsFinder: Public Sector

MEMBER ACCOUNT PLANS

- HIGHLIGHT SPECIFIC OPPORTUNITIES AND EVENTS
- MAP THE SUPPLY CHAIN NETWORK
- Offer webinars, Roundtables, Hubs in line with Nigel's initial scoping

BID READY WORKSHOPS

- Procurement process workshops
- Understanding BUYER specifications
- Meeting minimum requirements to supply

ACCREDITATION WORKSHOPS

- SHEQs
- BOPAS

Demand Supply Market Analysis

- What is the requirement?
- Location?
- Area?
- Community requirements?
- Infrastructure requirements?

What offsite modular systems are available?

- TRADITIONAL
- HYBRID
- MODULAR

MEET THE SUPPLIER EVENTS

- Problem?
- Request for Innovation?
- Collaboration

UNDERSTANDING COST

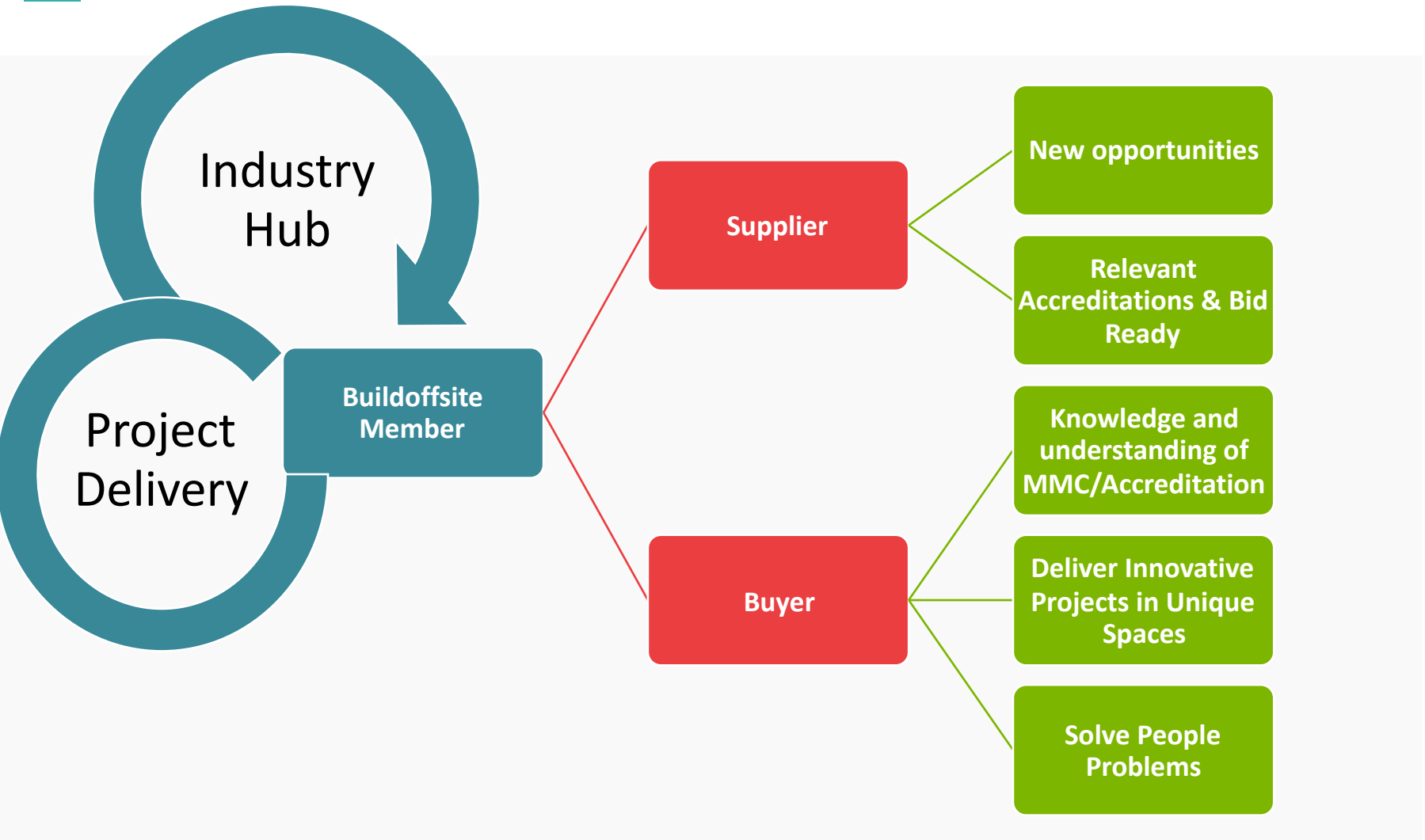
- Cost per m² or lm
- VFM vs Lifecycle cost
- What are the benefits?

SHARING IDEAS AND PROJECTS

- What worked?
- What could have been done better?
- What would you change?

BUYER SUPPLIER CONVERGENCE

buildoffsite



6 & 12 Months Plan

buildoffsite

Surveys & Membership Feedback and Engagement

Collaboration to produce Regional Offsite Supply Chain Map

Signpost for Significant Procurement or Call for Innovation, Hot Topics

Supplier engagement via Industry Hubs & Member Meetings

Key Requirements and GAP Analysis Outlined

Industry Workshops to meet member requirements

Series of Workshops to meet supplier requirements & buyer timescales



Thank you

www.buildoffsite.com

 @buildoffsite