

## Nuclear Institute Digital Special Interest Group (NI-DigitalSiG) Terms of Reference

### Purpose

The Nuclear Institute Digital Special Interest Group, (NI-DigitalSiG), is supported by Sunbeam Management Solutions Ltd, Knowledge Transfer Network Ltd (KTN, part of the Innovate UK family), Waldeck Consulting and the supply chain on behalf of the nuclear industry, to help develop a best practice Digital community within the industry. The vision is to continually evolve best practice within nuclear related organisations through knowledge sharing within the sector and knowledge transfer from other sectors. This group will embrace the wider Digital skills and knowledge challenge rather than focus on any one specific area of competency. The group will drive the dissemination and on-going development of the nuclear strategy document: *Building Information Modelling & Data Management – Nuclear Strategy – v10* (Isgar, Elsdon & Bew) and to embrace going forward the requirements toward a ‘*Digital Built Britain*’ (DBB).

### Interfaces

To support best practice, the group will engage with the UK BIM Alliance, Cambridge Digital Built Britain Centre, Construction Industry Council (CIC) Building Information (BIM) Forum (&the Hubs) and BRE-Constructing Excellence Nuclear Theme Group and Digital Construction Theme Group.

### Partners

Nuclear Institute – to ensure industry representation from the professional nuclear community and enhanced coordination via the NI Branches.

Sunbeam Management Solutions Ltd – Inaugural Chair and, as lead and co-author of the nuclear strategy document, to provide transition of strategy

KTN Ltd – to facilitate best practice and knowledge transfer across the industry and other sectors and to connect with KTN communities and Catapults.

Waldeck Consulting – providing technical/digital BIM oversight and advice to the group as a pro-active Tier 2 Supplier to the Decommissioning, Defence and New Build sectors along with the SMR requirements.

### Membership

Membership of the NI-DigitalSiG will be open to:

- Nuclear Site Licensed (Tier 1) Companies
- Nuclear New Build – EDF Energy, Horizon Nuclear Power Ltd, NuGeneration Ltd, RWM Ltd
- Nuclear Fusion organisations – UK Atomic Energy Authority, CCFE
- Nuclear defence organisations – AWE, Babcock International
- NI Partner Companies – AECOM, CRA Risk Analysis, Costain, Fluor, Horizon Nuclear Power, NDA, NuGen, Nuvia, Studsvik, UKAEA

The partner membership broadly covers organisations that undertake activities across the nuclear sector as specific membership of the NI-DigitalSiG from any non Tier1 SLC or supply

chain company is permitted via NI membership partnering agreements. This is very important to the NI as their toolkits, branding, resources and services will be made available to the N-DigitalSiG. Anyone who has a strong interest in joining the NI-DigitalSiG but who is not currently eligible under the partnership agreement can join by taking out NI membership. Under the NI-DigitalSiG, the NI has also agreed to offer new members a 3month free trial period.

Membership will be expected to be around 25 people who will representing their organisations and attendance for each meeting will be assigned on a first come first served basis. If a member cannot attend the meeting, they are expected to offer a deputy. Regular or continued non-attendance or lack of engagement may result in membership being withdrawn in order to ensure the group remains proactive and progressive. It is important that we don't exclude diversity within disciplines as we embrace a community of Engineering, Manufacturing, Construction and Operations.

Membership will be reviewed annually.

When a vacant position arises only a current NI-DigitalSiG member can propose a new member. The NI-DigitalSiG would then consider application, based on the Industry need.

## Objectives

- To offer advice, guidance and appropriate direction in development initiatives that drives the nuclear industry as an exemplar sector in BIM
- To offer advice, guidance and appropriate direction in development initiatives which address the critical BIM skills requirements facing the Nuclear and wider EC Industry
- Represent the Nuclear Sector at NI and other industry forum.
- To advise the Nuclear Institute Conference team in sourcing appropriate expert speakers nationally to develop specific skill sets across the Digital disciplines
- To provide a group that can conduct light touch independent peer reviews aligned to industry good practice

## Conduct of Business

- The group will adopt an open shared learning approach in order to achieve maximum learning from experience
- The group will share information where relevant with other NI SiGs such PM, SMR and Security
- The NI-DigitalSiG will meet face to face at quarterly intervals. Its principal location is Warrington/Manchester with periodic rotation to Cumbria, Gloucester/Bristol and London anticipated.
- Philip Isgar, Sunbeam Management Solutions Ltd, is the Inaugural Chair.

- Agenda items will be generated by:
  - latest developments from UK BIM Alliance, Cambridge Digital Built Britain Centre, CIC and BRE-CE.
  - current BIM / Digital issues
  - learning from experience
  - good practice
  - other NI SiG activities
  - strategic competency development initiatives that address long term needs
- Meetings will include knowledge sharing through external Subject Matter Expert presentations of good practice, group discussions, open debate and decision making – all of which focussed on delivering value adding outputs
- Sharing of information and resources (including confidential materials) for example will be done so only with permission from the IP holder.

### Review

These Terms of Reference will be reviewed on an annual basis following agreement by the NI-DigitalSiG

### Definition of terms/acronyms

Professional Institutions/Bodies of Knowledge

APM – Association for Project Management

PMI – Project Management Institute

BIM – Building Information Model / Modelling

CDBB – Centre for Digital Built Britain

EC – Engineering Construction

IP – Intellectual Property

KTN – Knowledge Transfer Network

N-BIMSiG – Nuclear BIM Special Interest Group

NDA – Nuclear Decommissioning Authority

NI – Nuclear Institute

NIA – Nuclear Industry Association

NNL – National Nuclear Laboratory

NSSG – Nuclear Skills Strategy Group

ONR – Office of Nuclear Regulation

SLC – Site Licence Company

BRE-CE Building Research Establishment and Constructing Excellence

CIC – Construction Industry Council