A message from the Editor

Welcome to the ninth edition of the NEIS Bulletin.

In this edition, Daniel Madden, our new Product Owner for the Environmental and Sustainability module, informs us on a sub-metering project currently in progress across 'HSE significant energy user sites' and his role in configuring a new energy management system called Envizi.

This week's spotlight is on Shaunagh Dunican, Assistant Staff Officer, who supports all members of the NEIS team through office management functions, finance, communications and training.

Larry Murphy takes us through the recently developed Advanced Reporting Tool for Operations & Maintenance (O&M). The tool can be used to create reports, graphs and dashboards for all O&M activities.

Aidan Cullinane's article is on the huge volume of data and complexity of modern buildings which necessitates careful information management for post–construction operations.

We hope you find the bulletin informative and enjoy the summer, whatever your plans may be.

Bernard Pierce

Environmental & Sustainability and Envizi Update

In April, I started my role with the NEIS team as the Product Owner for the Environmental and Sustainability (E&S) module.

For my previous two years with the HSE, I worked as an Energy Officer with the Climate Action and Sustainability Office, based in Galway, and covered sites in Galway, Mayo, and Roscommon.

Through my role as an Energy Officer, I was involved in

Daniel Madden - Product Owner, Environmental and Sustainability module

earlier stages of the E&S module, providing assistance in validating data and testing the system before it went live. The Climate Action Plan has

set stringent targets for all public sector organisations, with a 50% reduction in energy usage required by 2030, and TRIRIGA provides a centralised system to collate and monitor progress towards these targets.

To date, the identified 'Significant Energy User' sites across the HSE, which use 80% of the energy across the estate, have energy data on TRIRIGA.

Continued on page two.

Environmental & Sustainability and Envizi Update

From page one.

With these sites now live, next steps are to focus on the remainder of sites and collect any energy data available.

Over the coming weeks, a project to integrate an environmental data management system, known as Envizi, will begin. Envizi provides comprehensive data and analytics software to collect, manage and derive insights from environmental, social, and governance (ESG) data.

This system will integrate with TRIRIGA, to enable on-demand and scheduled synchronisation of location and space data.

A sub-metering project is also currently underway across our largest sites, which will provide live data to the Envizi platform, enabling near real-time monitoring of energy usage on these sites. Sub-metering these sites will enhance the detail provided, and allow targeted measurement in high energy usage areas, and identification

of actions to reduce energy usage to begin.

The effect of energy projects on sites' usage can also be modelled in Envizi, which also has the ability to integrate the current registers of opportunities used by local offices. Working with stakeholders, the reporting features on TRIRIGA and Envizi will be used to generate reports and templates of our energy usage, and will also be used to build a robust energy-management system for the HSE.

TRIRIGA Advanced Reporting (Power BI)

The NEIS O&M Product Owners, Aidan Cullinane and Larry Murphy, have been developing TRIRIGA's Advanced Reporting Tool (using Power BI) for Operations and Maintenance (O&M) use over the past six months.

The Advanced Reporting tool presents a range of tailored reports and graphs primarily through visual means to provide an up to date status on O&M activities. Reports can be specific to a workgroup or can combine multiple workgroups, where a maintenance manager uses more than one workgroup to manage their department.

For example, the O&M team offer the following default reports for Reactive Maintenance activities:

❑ Work Tasks Logged - by Problem Category (Service Class) and Problem Type (Request Class)
❑ Work Tasks - Assigned and Unassigned per Workgroup
❑ Work Task Status by Workgroup - Active, On-Hold, Completed, etc
❑ Work Tasks by Priority – Emergency, Urgent, High, Medium, Low

Larry Murphy
Product Owner –
Operations & Maintenance
and Space Management

However, the ability exists to produce a customised report based on any information present in, or uploaded to TRIRIGA.

The Advanced Reporting tool can be used to create reports and graphs for all O&M Activities, including Reactive Maintenance activities, Planned Preventive Maintenance activities (whether in-house or contracted), Asset and Equipment activities, and any other combined reports that might be required for operational undertakings.

The O&M team, in conjunction with the data team, will create any required reports and/or graphs for you.

Advanced Reporting offers many advantages:

❑ All reports/graphs are accessible through the TRIRIGA Advanced Reporting App
❑ Reports/graphs are immediate and available at the click of a button
❑ All information is real-time data
❑ Data is tailored to your specific needs
❑ Graphs are clear, concise and easy to understand by all
❑ Time saving – no need to prepare report/graph parameters each time you need them
❑ Easy to export – Reports and graphs can be exported for inclusion in operational performance packs
❑ Graph data can be clicked on to display and further scrutinise drill down detailed information

We are also developing high-level graphs that will be displayed on User dashboards, keeping you up to date by giving summary information each time you log in to TRIRIGA. These will be available soon.

Watching NEIS in action has been so rewarding

GUEST SPOTLIGHT

Shaunagh Dunican – NEIS Assistant Staff Officer

I commenced work with NEIS in February 2021 as an Assistant Officer. I'm lucky to have been working on this project from the very start and watched the system come to life as each module was deployed.

The main function of my role is administration support. I take minutes and action log records at internal and external meetings and ensure these are circulated and stored correctly.

While minute-taking can be challenging, I enjoy hearing updates on the project within these meetings, as there is a lot of background work going on to ensure the smooth operating of our system that most people would not hear about.

Another huge part of my role is assisting the office management function of the team. I work on the Integrated Financial Management and Procurement System (IFMS), raising purchase orders and paying invoices. I also assist with any office management queries from the team or externally,

updating any internal spreadsheets and directories, and also help with inducting new starters to the team.

Aconex training also forms a large part of my role, whereby I issue any communications regarding training, invite any requestors to training and issue surveys and Continuing Professional Development (CPD) certs after training. I also help to pull together this bulletin every time it issues, so it is strange for me to now be included in one!

Outside of this work, I am on-hand to support any of the team with anything they may need, whether it be assisting with CRM queries, issuing emails regarding system downtime, booking rooms, setting up meetings, or even something as simple as throwing my eye over a document, I am always here to help my team.

As you can see from this brief overview of my day-to-day work, I get to understand what is happening within each module in the project, as well as the finance, communications, training and helpdesk side of things, so I truly am lucky to be able to dip my toe into various areas of this project.

Since starting here three years ago, I have watched the system grow from strength to strength, and I look forward to seeing what is to come and being a part of it in the future.

NEW PROCESS TO OBTAIN/CHANGE ACCESS TO NEIS

For anyone requiring NEIS access, or those who may need to amend their existing access, a new process is in place to make your request.

You can access the form by clicking on: NEIS Access

This form is also available on our dedicated NEIS Training Site Page.

You will be asked to enter your personal details including email, contact number, work address, and this is followed by drop down fields to select what action you require.

Once submitted and necessary approval sought (approval is dependent on the request type) we will begin the process to complete your request. You will be notified directly by email with updates once your account has been created/updated.

If you need any further assistance you can email the NEIS Helpdesk on NEIS.Support@hse.ie

Handover of Information/Asset Information Management

**Aidan Cullinane
Product Owner –
Operations &
Maintenance**

*Current AIR
(Asset
Information
Requirements)*

Information management and handover processes are critical to HSE Capital and Estates and asset management strategies during the transition from development to operation in traditional Capital Projects and new Building Information Modelling (BIM) projects.

Clear and extensive information transfer, specifically through Construction Operations Building Information Exchange (COBie) and Asset Information Requirements (AIR), strengthens asset management after construction.

These defined information management methods will help the operational and maintenance team achieve exceptional asset performance, maintenance KPIs, lifecycle management, and a more managed OPEX governance by stressing the consequences of deficient information transfer.

Asset management is a systematic approach to optimise physical assets across their lifespan.

> **The integration of BIM and IBM TRIRIGA will significantly improve HSE Capital and Estate's capacity to manage its assets effectively, optimise operations and maintenance, and facilitate smooth information exchange during the entire lifespan of its healthcare facilities**

The enormous volume of data and complexity of traditional Capital Projects and BIM projects necessitate careful information management for post-construction operations. The BIM COBie framework and AIR organise data transfer, ensuring the operational and maintenance team knows how to manage the built environment.
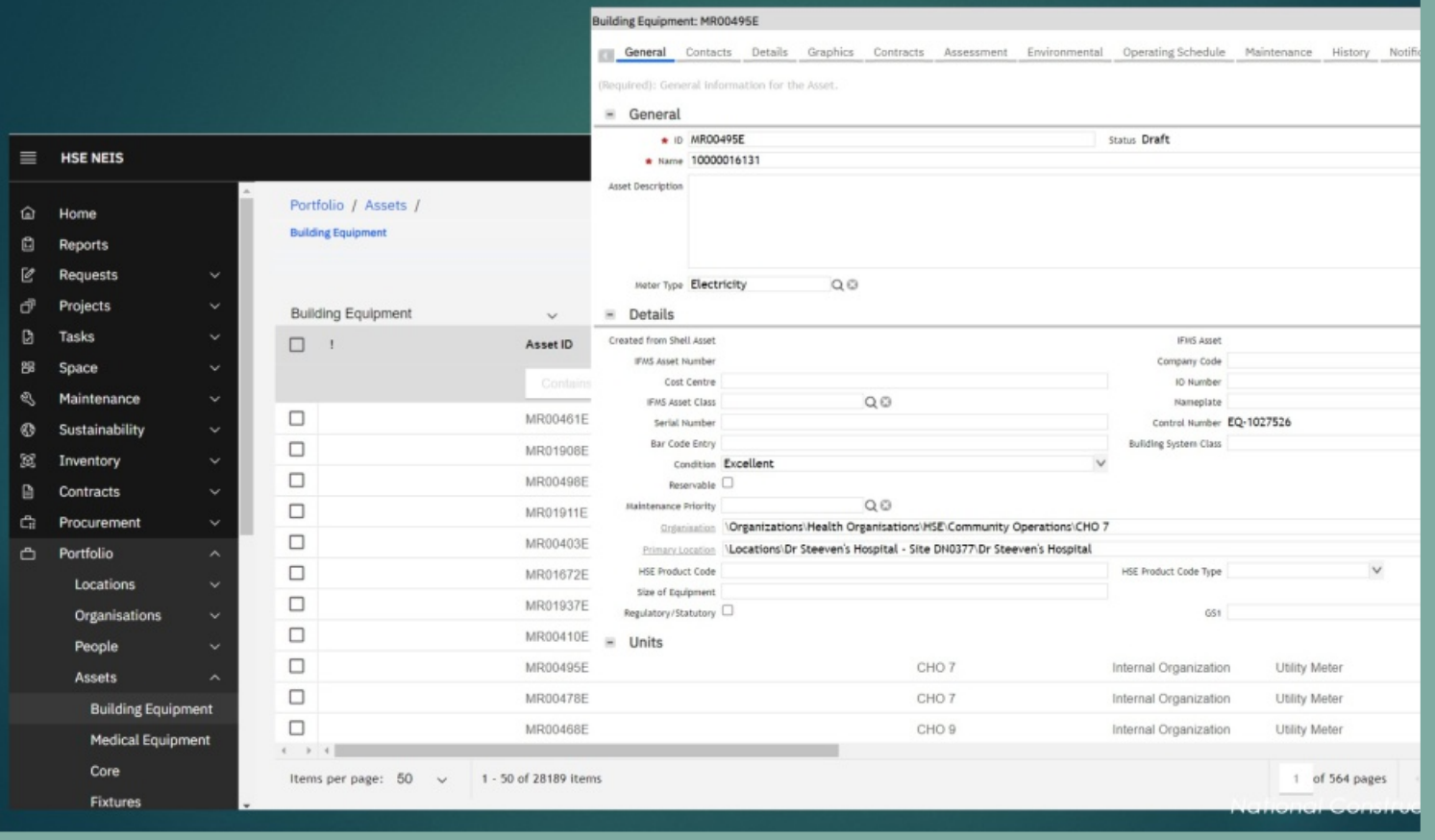
Why IBM TRIRIGA Needs High-Quality Asset Data:

Integrated Workplace Management Systems (IWMS) such as IBM TRIRIGA need accurate asset data. TRIRIGA's primary advantage is its ability to use complete asset data to improve facility and real estate efficiency.

Asset data must be high quality for these reasons:

- ❏ **Strategic Decision Making**: Accurate asset data informs asset maintenance, upgrades, and divestiture decisions. IBM TRIRIGA uses this data to provide insights that reduce costs and enhance efficiency.

- ❏ **Lifecycle Management**: IBM TRIRIGA delivers historical and predicted lifespan data to help organisations plan and execute maintenance, refurbishment, and restoration actions that meet their business goals and budget.

- ❏ **Compliance with regulations**: TRIRIGA's asset data facilitates documentation and records

IWMS – Data Engine

Above, the system at work.

management to assure compliance. This is critical for assets with strict health, safety, and environmental regulations.

- ❑ **Operational Efficiency**: TRIRIGA optimises facilities management, reduces human data input, and reduces errors using integrated BIM data. This streamlines operations and optimises asset use and maintenance.

- ❑ **Effective IBM TRIRIGA asset data management reduces costs**. This covers preventative maintenance, downtime reduction, and equipment longevity.

- ❑ **Facility Utilisation Optimisation**: TRIRIGA's BIM data allows sophisticated space utilisation analysis, maximising the organisation's physical space and enhancing productivity and staff happiness.
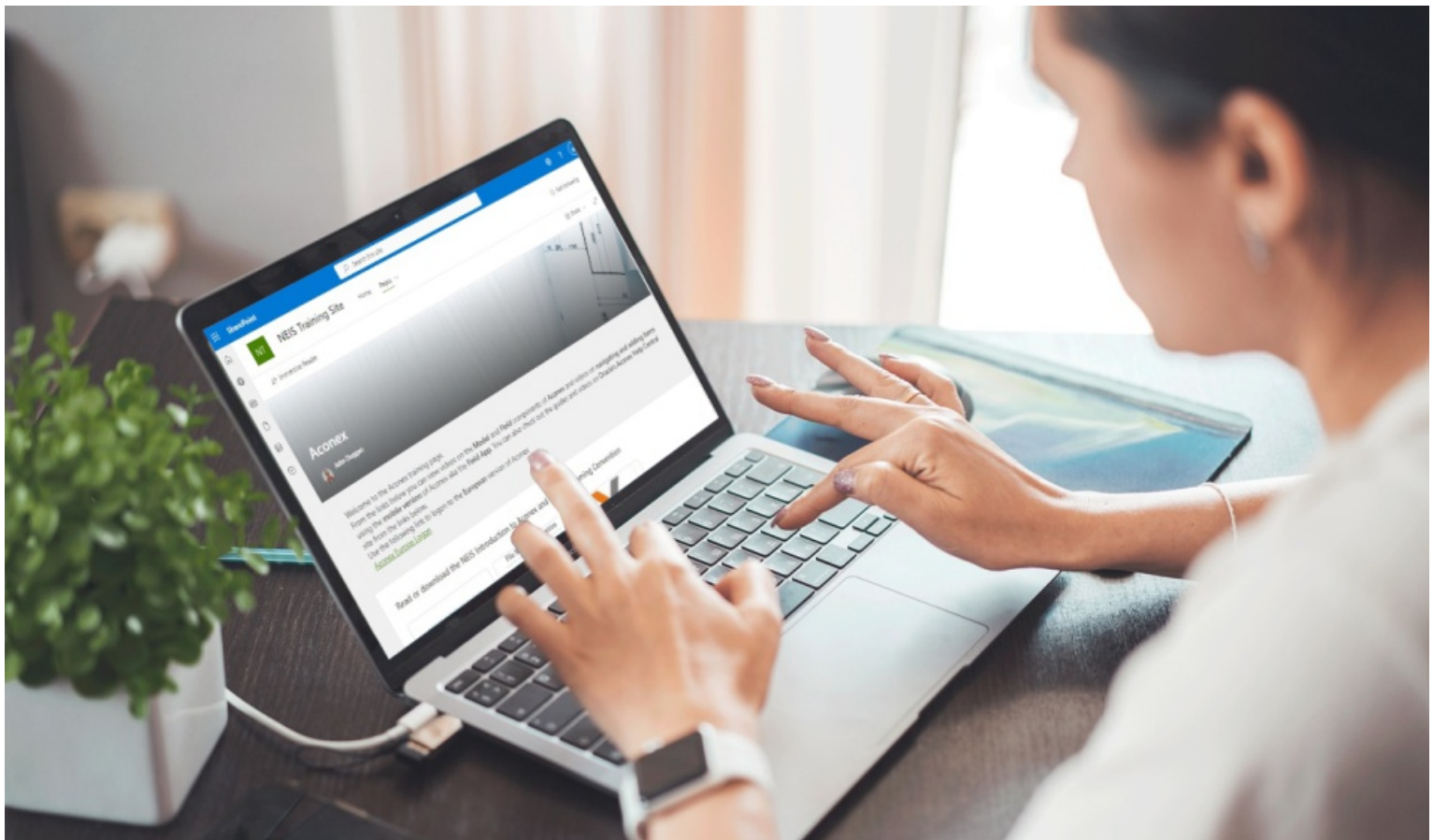
BIM with IBM TRIRIGA

Current O&M Product Owners and IBM undertakings are delivering a new BIM Integrator for TRIRIGA via a Revit Plugin and mapping the COBie structure to TRIRIGA for seamless digital data transfer from the BIM model to TRIRIGA.

The integration of BIM and IBM TRIRIGA will significantly improve HSE Capital and Estate's capacity to manage its assets effectively, optimise operations and maintenance, and facilitate smooth information exchange during the entire lifespan of its healthcare facilities.

Benefits of using Building Information Modelling (BIM) with IBM TRIRIGA

- ❑ Improved Information Transfer (COBie/AIR)
- ❑ Efficient Asset Data Management
- ❑ Streamlined Operations and Maintenance
- ❑ Mobile Accessibility
- ❑ Adherence and Documentation

Implementing the BIM integrator for IBM TRIRIGA offers HSE Capital and Estates a unique chance to improve asset management, operations, and maintenance of healthcare buildings in Ireland. The integration is a critical deliverable in the NEIS 7 HSE Capital and Estates digital transformation that offers long-term advantages, such as cost reductions, enhanced facility performance, and OPEX management.

Get to know Aconex with specialist training

CPD Opportunity! Aconex Training continues, as per the schedule below.

If you would like to be included in any of the training sessions which will be facilitated online, please send an e-mail to NEIS.Support@hse.ie with "Aconex Training" as the subject and details of which session(s) you would like to attend.

Training	Format	July	August	September
HSE Estates Staff Training (PM)	5 x 2.5 hr sessions	-	-	5 Sessions Commencing 16th Sept @ 10am
Design Team/ Contractor Training	2 x 2 hr sessions	10th & 12th July @10am	7th & 9th August @10am	4th & 6th September @ 10am
Project Initiation Training (EM, AND, PM)	1 x 2 hr session	-	28th August @10am	-
End User Training (Service and Admin)	1 x 2 hr session	-	-	25th September @ 10am

Have any questions?
Contact us on our dedicated email address
✉ **NEIS.support@hse.ie**

Find out more about NEIS on www.hse.ie

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