OVQ19 – Annex 2: Review of GDNs IT&T and Data & Digitalisation Projects for GD3

Summary of GDNs IT&T and Data & Digitalisation Projects for GD3

Company	Cost Area	Project	Primary Outcome of Project
Cadent	IT&T	ERP Clean Core	Replace of an out of date system to ensure we have reliable, clean, and well-structured data.
Cadent	IT&T	Enterprise risk management	Enhance visibility and understanding of cyber risks.
Cadent	IT&T	Identify and Privileged Access Management	Improve IT access monitoring and prevent unauthorized access to privileged data and resources.
Cadent	IT&T	Replace Meter Asset Repository / Gas Quality Information System	Modernise soon to be end-of-life software to keep and improve its functioning.
Cadent	IT&T	Modernising our Energy Control Centre	Eliminate redundant software and reduce manual effort. Simplify data monitoring and improve security.
Cadent	IT&T	Network Infrastructure	Increase bandwidth and reduce latency to enable predictive maintenance and real-time monitoring.
Cadent	IT&T	Modernising FSM	Replace old software to reduce manual effort in scheduling and travel & response time for field workers.
Cadent	IT&T	Customer Engagement Transformation	Replace end-of-life software for customer support and enable remote work.
Cadent	IT&T	Maintenance Baseline	To keep IT systems operational on at least the same level.
Cadent	Data & digitalisation	Gas network data standards	Agree with other GDNs on common data definitions and standards.

Cadent	Data & digitalisation	Energy Data Catalogue	To make data easier to track and work with.
Cadent	Data & digitalisation	Digital spine for the system	Enable better data sharing within the energy sector.
Cadent	Data & digitalisation	Internal data architecture & integration	To make data easier to access.
Cadent	Data & digitalisation	Data Triage Capability	Better training, education, and access to internal data information.
Cadent	Data & digitalisation	Evolution of DBP compliance	Improve data handling capabilities.
Cadent	Data & digitalisation	Evolution of stakeholder engagement	To understand user requirements better for the Open Data Portal.
Cadent	Data & digitalisation	Expanding Data User community	Expanded engagement with external stakeholders on LAEP and RESP.
Cadent	Data & digitalisation	Digital Ways of Working	Well trained and educated staff on digital work methods.
Cadent	Data & digitalisation	Open Data Portal	Allow external stakeholders to access Cadent data.
Cadent	Data & digitalisation	Whole system scenarios solutions	Better understand energy transition scenarios.
Cadent	Data & digitalisation	Leakage detection and management	Improve digital platform for leakage analytics.
Cadent	Data & digitalisation	Climate resilience digital interface	Better understand climate risk and impact.
Cadent	Data & digitalisation	RRP Modernisation	Modernise and digitalise regulatory reporting.
Cadent	Data & digitalisation	Asset Investment Portfolio Management	Improve analysis of investments.
SGN	Data & digitalisation	The hydrogen project – H100 Fife	Remotely monitor and control the hydrogen project.
SGN	Data & digitalisation	Predictive safety interventions	Reduce the occurrences of safety hazards.
SGN	Data & digitalisation	Leakage management in the energy system transition	To better analyse leakage rates.
SGN	Data & digitalisation	Intelligent gas grid	To better analyse network data.

SGN	Data & digitalisation	TapSOS – digitalisation of the emergency number	Enable customers to access the National Gas Emergency Service digitally.
SGN	Data & digitalisation	Phoenix IIOT demonstrator	Enable data to go from the sensor to the cloud without manual input and securely.
NGN	IT&T	Device refresh/replacement (laptop, desktop, field device, mobile phone)	Replace end-of-life devices to maintain operations at the same standard.
NGN	IT&T	Cloud infrastructure development	To have more resilient and efficient cloud infrastructure.
NGN	IT&T	Centralised Printing upgrade	Modernise and upgrade printing services.
NGN	IT&T	Card Access upgrade	Increase site security.
NGN	IT&T	Comms Room Upgrade and Development	Replace end-of-life hardware in Comm's rooms.
NGN	IT&T	SCADA Version upgrades	To ensure support is maintained in line with manufacturers support.
NGN	IT&T	Application upgrades	To ensure support is maintained in line with manufacturers support.
NGN	IT&T	Reporting and Insights Development	Improve analysis of data.
NGN	IT&T	GIS Maps upgrade	To ensure support is maintained in line with manufacturers support.
NGN	IT&T	SAP HANA Development	To ensure support is maintained in line with manufacturers support.
NGN	IT&T	Business Applications (BA) Replacement	New functionality in control system operations software.
NGN	IT&T	Logbook replacement	New functionality in control system operations software.
NGN	IT&T	Colleague System Enhancements	Improve colleague support software.
NGN	IT&T	Project Management System Developments	Improve project management processes and software.
NGN	IT&T	Asset Data Enhancements	Improve project data analysis and capture processes and software.

NGN	IT&T	Leakage Analysis Platform Development	Improve leakage data analysis.
NGN	IT&T	SD WAN, WIFI and Telephony upgrade	Ensure network is more resilient.
NGN	IT&T	Field Mobile Data upgrade	Modernisation of mobile data services.
NGN	Data & digitalisation	Process Optimisation Programme	Less errors in data and less manual work.
NGN	Data & digitalisation	Built Over Mains Analysis Tool	More accurate modelling and analysis of network data.
NGN	Data & digitalisation	Open Data Interoperability	Agree with other GDNs on common data definitions and standards.
NGN	Data & digitalisation	Building Data User Personas	Make data sharing easier with external stakeholders.
NGN	Data & digitalisation	Open Data Portal Optimisation	Make more data available and make its sharing easier with external stakeholders.
NGN	Data & digitalisation	Data Sharing Preparation	Make data classification and sharing easier.
NGN	Data & digitalisation	Artificial Intelligence Review (AIR)	Understand the best ways to incorporate AI into workflows.
WWU	IT&T	Alignment with Business Objectives	To enable easier collaboration through standards and best practices.
WWU	IT&T	Technology Innovation	To try new things and pursue research and development.
WWU	IT&T	Cloud Migration	Switch from on-premises data centres to Microsoft Azure data centres.

Note 1: SGN's IT&T projects are redacted, but SGN identifies their investment themes as Applications, Data, Integration & Automation, End User Compute, Cloud, Networks, Identity, Security, and Operational Technology.
Note 2: WWU has not published its Data & Digitalisation Strategy, but states in its IT&T strategy that its goal is to become a digital utility, enabling its workforce and customers to communicate and engage efficiently through a digital approach.