



DISCOVER
NeoDyne

INTEGRATION & DIGITAL MANUFACTURING
POWERGEN & ENERGY SYSTEMS
TRANSMISSION & DISTRIBUTION

Where knowledge meets innovation

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25+ YEARS OF EXPERIENCE DELIVERING
ENGINEERING SOLUTIONS & SERVICES TO
THE LIFE SCIENCE, FOOD & BEVERAGE,
DATA CENTRE AND ENERGY SECTORS



Our Services



INTEGRATION & DIGITAL MANUFACTURING

- > Industrial Control Systems
- > Digital Manufacturing
- > OT Cybersecurity
- > Machine & Process Safety Systems

About Us

Delivering Excellence in Engineering since 1998

NeoDyne is a leading provider of Industrial Automation and Electrical Engineering solutions and services. Our expertise spans the entire project lifecycle, from initial design to commissioning, with a strong focus on innovation and digital transformation.

We offer services including Process Automation, Digital Manufacturing and Electrical Design, Protection, and Control solutions to the Life Sciences, Food and Beverage, and Energy sectors.

With a global footprint and a reputation built on quality, integrity, and results, we empower our customers to achieve operational excellence.

25+

Years in Business

300+

B2B Customers

220+

Talented Engineers

15+

Technology Partners



POWERGEN & ENERGY SYSTEMS

- > Power Plants / Peaking Plants
- > Embedded Generation & Renewables
- > Industrial Utilities
- > Plant O&M



TRANSMISSION & DISTRIBUTION

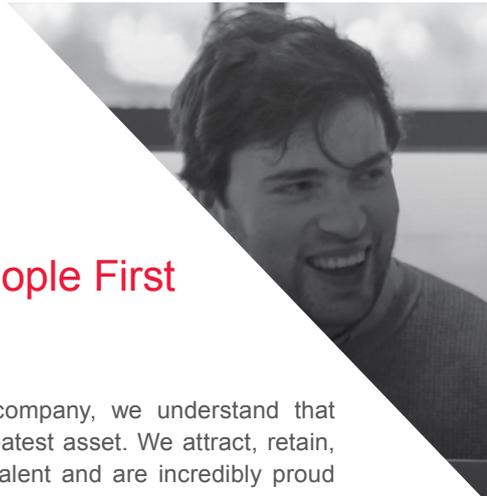
- > Wind / Solar / BESS Design
- > Substations & Electrical Networks
- > HP & Renewable Gas Infrastructure
- > Safety Shutdown Systems



MESSAGE FROM OUR
Managing Director

“What sets us apart is the breadth of what we do.”

NeoDyne is uniquely positioned to deliver large-scale, complex engineering projects. Our strength lies in the diverse expertise of our System Integration, Power Generation, and Transmission & Distribution teams. This wide-ranging expertise allows us to deliver projects across multiple industries, tailoring our solutions to meet specific industry challenges and objectives. We use a cross-functional approach across teams, seamlessly integrating specialist knowledge to deliver smart, robust, and scalable solutions that consistently exceed customer expectations. Whether improving system efficiency or designing renewable energy solutions, we bring together the right skills at the right time to ensure success.



“We are a People First company.”

As a “People First” company, we understand that our people are our greatest asset. We attract, retain, and nurture the best talent and are incredibly proud of the skilled engineers who drive NeoDyne forward. Many of our management team joined as graduates, progressing into senior roles over the course of their careers, showing our commitment to professional development and promotion from within. This culture of recognition has been instrumental in our success, fostering long-term relationships with both our employees and customers.

Innovation and adaptability are also at the heart of our culture. For over 25 years, we have embraced change to drive growth, expand our expertise, and push the boundaries of what’s possible, all while maintaining the perfect balance between innovation and real-world operability.

Looking to the future, we are committed to exploring new markets and enhancing our services to better meet our customers’ evolving needs. We see endless possibilities ahead and are excited to remain at the forefront of innovation in engineering. As we continue to grow, we will stay true to our core values of putting people first, integrity and sustainability, ensuring that we are always ready to meet the challenges of tomorrow.

MARTIN FARRELL

Martin Farrell





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We promote continuous learning and empower our people to grow their capability and know-how in the technology and application fields in which we operate.

”

Our People

Our people are our greatest strength. We have been growing steadily over the past 25 years, and people are a big part of our success.

We employ over 200 innovative and dedicated engineers and support staff of all levels. Our people are the foundation of our culture and key to our competitive advantage.

WHO ARE OUR PEOPLE?

- > Engineering, Instrumentation, and IT graduates from leading Irish, UK and international universities.
- > NFQ Level 8/9 Degree Qualified
- > All permanent employees (no contract engineers)

Our Mission



To empower our people with the knowledge to provide innovative and robust solutions to help our customers achieve sustainable, operational excellence



Sustainability



We embed sustainable environmental, social and economic principles into all our business processes. Our day-to-day operations and design principles focus on reducing and eliminating negative impacts across these three core areas.

Our Vision



To empower our engineering teams through self-improvement, growth and learning, to be a global leader in the provision of engineering services and solutions



Our Values

People First



We empower our people with the knowledge to provide innovative and robust solutions by focusing on delivering work with purpose and intention whilst ensuring our personal wellbeing remains healthy and balanced.

Integrity



Integrity is the foundation of our operations, guiding our actions and decisions both internally within our teams and externally in our engagements with customers and suppliers. We believe that maintaining a steadfast commitment to integrity is essential for fostering trust, building lasting relationships, and ensuring the highest standards of professionalism in everything we do.

Knowledge & Innovation



We deliver smart, robust, winning solutions that withstand the test of time and optimise the balance between technology and real-world operability. We promote continuous learning and empower our people to grow their capability and know-how in the technology and application fields in which we operate.

We foster a culture of innovation and continuous improvement. We value original thinking, the passion to challenge assumptions and find creative ways to solve tough problems.

Can-Do Attitude



Our attitude is positive, open and helpful. We foster a “can do” culture. We pride ourselves on being flexible and proactive in all our customer interactions.

Integration & Digital Manufacturing

Driving Operational Excellence Through Digital Transformation

Digital transformation is revolutionising manufacturing by streamlining operations, improving productivity, and enabling smarter, data-driven decision-making. However, harnessing the full potential of this technology requires complex system integration and operational changes. With specialist expertise in Automation, MES/MOM, and IT/OT, we help our customers navigate this transition, delivering tailored solutions specific to their unique needs and operational challenges.

As partners with global technology leaders, including Siemens, AVEVA, Rockwell Automation, and Schneider Electric, we provide leading-edge solutions at the forefront of technology. By leveraging the latest advancements in automation and digitalisation, we ensure our customers benefit from the most groundbreaking and future-ready solutions available.

NeoDyne's commitment to innovation and excellence firmly positions us as a leader in digital transformation across multiple manufacturing sectors.

02.



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With a wealth of experience partnering with leading Life Science and Food & Beverage manufacturers, we specialise in deploying intelligent manufacturing and digitalisation solutions.

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Automation & Compliance

NeoDyne offers comprehensive system integration services for PLC, SCADA and Batch applications across a wide range of sectors including Life Science, Food & Beverage and Consumer Packaged Goods. We specialise in high availability, fault-tolerant and functionally safe PLC solutions, using hardware from leading manufacturers. We apply our industry knowledge and technical expertise to tailor SCADA solutions to our customer's unique requirements and provide an end-to-end services from design through to system support..



Controls & Automation | cGMP Compliance & GAMP | Industrial Safety Systems | Discrete Manufacturing Automation | PLC SCADA | System Support Services



MES / MOM Solutions

We deliver cutting-edge MES, MOM, OEE, and Data Historian solutions that transform our customers' business and manufacturing processes. Specialising in AVEVA Wonderware solutions for the Food & Beverage and CPG industries, and POMSnet MES solutions for the Life Sciences sector, we provide robust integration with ERP, SCADA, and other on-site systems. Our MES solutions enhance operational processes, consolidate data, and provide improved visibility and insights for more informed decision-making.



Life Science MES | CPG & Packaging MES | Recipe & Batch Systems OEE | Data Historians



Professional Services

Our tailored placement solutions are designed to meet the specific requirements of your industry, offering proficient professionals in:

- > Control & Automation
- > SCADA / PLC / DCS
- > Computer System Validation (CSV)
- > OT Cyber Security
- > IIoT Digital Manufacturing
- > Project Management



Integration & Digital Manufacturing Services

IloT Digital Manufacturing

Factories of the future must be “smart”, leveraging advanced technology to optimise efficiency and reduce downtime. We help implement IT and OT systems that harness IloT devices and data to improve our customers’ digital manufacturing maturity. We assess the technological readiness of our customers’ operations and seamlessly integrate Industry 4.0 technologies into their production and manufacturing systems.



Digital Manufacturing | Digitisation Strategy | Industry 4.0 | IloT



OT CyberSecurity

NeoDyne helps organisations implement and maintain an OT cyber security programme to ensure the security and continuity of their systems in line with the NIS directive and international standards.

As IEC-62443 Cyber Security Experts, we have an in-depth understanding of the security challenges facing organisations and have the expertise and capability to help them manage potential security threats. We can deliver a complete solution for NIS directive compliance and provide services for the full cyber security lifecycle.



Assessments | Design & Implentation | Drivers for Compliance Standards





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NeoDyne has over 25 years' experience in providing an extensive range of services and solutions to the energy sector.

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PowerGen & Energy Systems

Delivering Critical Infrastructure Projects to Transform Energy Networks

The Power and Utilities sector is undergoing a radical transformation worldwide with distributed renewable generation, new digital technologies and changing consumer expectations. NeoDyne's Power Generation & Energy Systems team can help enterprises anticipate and respond to these changing market challenges and their resulting opportunities.

We integrate technology, expertise, and people to deliver complete plant and control solutions for large-scale power projects, including CCGT plants, industrial CHP systems, and critical standby diesel generators.

We provide feasibility studies and system design for embedded generation projects including solar panels, wind turbines and battery storage. We also provide fully versatile and robust solutions for Balance of Plant (BOP) operations, Electrical Protection Systems, and engineering and maintenance services for auxiliary boilers, process and waste-water treatment.

We leverage our commercial and site experience to deliver plant process improvements for our customers and provide a fully managed service for upgrades and ongoing support.

03.

PowerGen & Energy Systems Services



Power Generation Solutions

NeoDyne has 25+ years' experience in high availability and high-reliability turnkey plant and control solutions for large-scale CCGT plants, industrial CHP with Island mode and critical service standby diesel generators.

We provide fully versatile and robust automation solutions for Balance of Plant (BOP) operations and state-of-the-art solutions for power fault detection and isolation.

We also work with our customers to support the integration of 'behind the meter' solutions from renewable energy sources, including wind and solar power and provide DS3/DSU integration services.

Power Plant Engineering & Automation | Generator Control Systems | CHP & Standby Diesel Plant Controls | Embedded Renewable Generation | DS3 DSU Commissioning & Verification



Plant & Pubic Utilities E&C

We have a wealth of experience in plant MV/LV Electrical Engineering solutions, including the design and commissioning of substations, distribution networks, switchgear and control and protection systems.

We have strong capability in instrumentation and process control and offer a comprehensive range of control systems for water treatment including pre-treatment for industrial boilers and control system designs and upgrades for wastewater treatment plants.

Industrial Safety Systems | Plant MV/LV Electrical | Instrumentation & Control | Process Water Treatment | Waste Water Treatment Control | Arc Flash | Plant ATEX



Process Improvement Solutions

We offer process improvement services by applying SCADA, PLC networking, Automation, APC, Continuous and Batch Historians, SQL databases and information systems together with process upgrades. Our solutions include boiler house automation optimised for high-availability and high-reliability utility grade service and innovative ammonia refrigeration control.

We also offer end-to-end solutions for metering, monitoring and reporting energy usage, allowing our customers to gain insight into their energy usage and thereby accrue significant cost and performance benefits over the medium to long term.

Process Improvement Solutions | Boiler House Automation | Ammonia Refrigeration Optimisation | Energy Management



Transmission & Distribution

Shaping the Future of the Energy Grid and Gas Networks

The power grid of the future must be secure, cost-effective and built with intelligent solutions and innovative technologies. NeoDyne's Transmission & Distribution team helps deliver this vision through our Electrical Network Solutions and Power System Analyses.

We have experience with HV/MV substation design and contestable build and non-contestable stations up to 550MVA. Connections include conventional and renewable Power Generation, Peaking, Battery Storage, DS3 and Solar PV plants and large demand loads such as data centres and process plants. Our know-how is strong on detailed features, including reactive power requirements for Grid Code compliance in Ireland and Northern Ireland. We design AIS and GIS substation layouts to design standards IEC-61936 and Irish Standard ET-103.

We use leading-edge design and modelling tools from global technology companies to deliver innovative designs for our customers, including Primtech 3D, EPLAN, CDEGS and StrikeRisk.

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NeoDyne is a key player in the development of renewable energy in Ireland & the UK. We also participate in global R&D projects helping to drive the development of sustainable power generation.

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04.



Gas Network Solutions | Biomethane & CNG | Industrial Safety Systems



The gas network is at the heart of Ireland and the UK's energy system. It plays a vital role in transporting energy safely, reliably and cost-effectively and is fundamental to meeting growing energy demand. As a design framework supplier, NeoDyne plays a significant role in the network, providing electrical and instrumentation engineering services for the on-shore Natural Gas Industry and Regulated gas utility sector in Ireland and the UK.



We are uniquely positioned to deliver the ambitious Renewable gas penetration targets set for the industry of up to 12% by 2030 and 40% by 2036. At NeoDyne we combine our traditional gas design expertise with our experience in delivering high availability, fault-tolerant and functionally safe PLC and SCADA solutions.

We also deliver Gas Management Data Base solutions to provide data logging, reporting and batch management of the Gas injection process. This wide array of solutions establishes us as the frontrunner in both the renewable and traditional gas sector.



Electricity Networks

NeoDyne has a wealth of experience in the specification of switchgear and transformers for Grid interfacing AIS and GIS substations. Our expertise includes HV/MV substations and contestable build and non-contestable stations in the range of 40 to 550MVA.

We use state-of-the-art engineering software, including ETAP for power system studies, Primtech 3D for substation layouts, EPLAN for control and protection design, CDEGS and StrikeRisk for earthing and lightning protection.



**HV/MV Switchgear & Transformers | AIS / GIS Substations | Control & Protection
EPLAN | Earthing & Lightning Protection**



Electrical System Studies

NeoDyne has strong capability and extensive experience in completing electrical system studies to ensure power quality and availability. We provide an array of services including Protection Coordination, Load Flow, Insulation Coordination and Harmonics and Filter design using cutting-edge modelling and power system analysis software.

Our engineers also have extensive experience in completing grid code compliance studies and can provide end-to-end support from project initiation to test completion.



**Arc Flash | Protection Coordination Load Flow | Insulation Coordination |
Harmonics & Filters | Grid Code Compliance**



Gas Networks

We provide E&I services to the onshore natural gas industry and regulated gas utility sector. We are a design framework supplier to utilities in Ireland and the UK, bringing specialist expertise in AGI and compressor station design.

We have recently adapted our gas design experience to bring it to the fore of renewable gas integration. We are heavily involved in the rollout of Biomethane injection facilities in Ireland and provide integration designs for CNG fuel filling stations.



**Industrial Safety Systems | Gas Metering | AGI Electrical & Instrumentation |
Cathodic Protection HV Interference | Compressor Stations | Bio Methane & CNG**

Transmission & Distribution Services



Industrial Safety Systems

Our team of certified Process Safety engineers provide comprehensive IEC 61511 safety lifecycle services including Risk Assessment, Safety Requirements, Safety Design and Validation.

We design high availability, redundant and fault tolerant safety control systems, including SIL-rated systems, emergency shutdown systems, and machine safety applications.

Each solution is designed to meet the highest safety standards, ensuring full compliance with international standards and regulations for high-risk operations and Major Accident Hazard facilities.



Contact Us



NeoDyne Offices

IRELAND

Cork (HQ)

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Dublin

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Saggart, Co Dublin, D24 W583

Galway

Block 7, Galway Tech Park
Parkmore, Galway, H91 K2WP

Waterford

Waterford Business Park, Cork
Road, Waterford, X91 HC2V

UK

Chesterfield (HQ)

Spire Walk Chesterfield,
S40 2WG, UK

EUROPE

Romania

Potential, Calea Chisinaului nr 23,
Cladirea Centro C3 Iasi County,
700265

U.S.

Virginia (HQ)

7400 Beafont Springs Dr. Suite
300 Richmond, VA 23225

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We create lasting partnerships with our customers worldwide, built on trust and collaboration

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Customer Locations

EUROPE

Ireland, UK, France, Germany, Netherlands, Spain, Canary Islands, Sweden, Romania, Greece, Malta

NORTH & SOUTH AMERICA

Brazil, Uruguay

ASIA

China, India, Singapore



Where knowledge meets innovation

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