

FUTURE IN PHARMACEUTICALS I R E L A N D 2 0 2 2

Driven by Sustainability
Croke Park 6th July 2022

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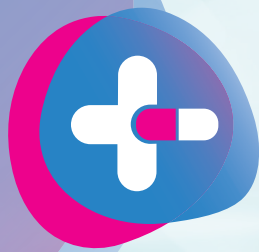
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FUTURE IN PHARMACEUTICALS IRELAND 2022

Driven by Sustainability

On behalf of our speakers, sponsors, exhibitors and organisers I would like to welcome you to the annual Future in Pharmaceuticals Ireland conference for 2022. We are delighted to welcome all participants back to Croke Park stadium in Dublin and we hope you enjoy an environment of networking and interaction. The theme of sustainability within the pharmaceutical processing and manufacturing sector has never been more important! For many years larger organisations have been realising the fact that environmental policies and energy efficiencies within processing are directly related not only to the bottom line, but to our ESG score and CSR programmes! Reducing energy costs, carbon footprint and waste during the process of pharmaceuticals can have a significant impact on the profitability of a facility and with energy costs continuing to rise this has become a major consideration. Additionally, as pharmaceutical manufacturers and their supply chains become more and more entwined they find themselves under increased pressure to reduce their carbon footprint.

Our first keynote speaker will be live on stage at 9.30am to begin our open discussions on these important topics. We hope you enjoy Future in Pharmaceuticals Ireland 2022 conference, but should you have any comments or questions throughout the day please speak with me or one of our Event Organising Team.

Event Coordinator - Paula Dempsey



Session Chair - Mark Keogh - Schneider Electric

SPEAKERS

Session Chair - Liam Burke Masterson - SkyCell



9.30am

Cormac McCarthy
Programme Executive
EXEED Sustainable Energy Authority of Ireland

Currently I enjoy working at SEAI as a Programme Executive on the Excellence in Energy Efficient Design (EXEED) Programme.

I have a background in Science, with a focus on Quality Operations. My previous work experience includes the Pharmaceutical, Food & Beverage, and NGO sectors. I am passionate about all aspects of Sustainability, in particular Ireland's Transition to a Low Carbon Energy Future.



9.50am

Ronan Coffey
Global Energy Manager
Boston Scientific

With Boston Scientific for 20 years: 15 in Facilities Engineering at the Galway manufacturing plant, Energy Manager since 2018 in the Global Real Estate function.

I lead the GEMS (Global Energy Management System) effort, working towards BSC's goal of Carbon Neutrality by 2030 in our manufacturing operations. I am responsible for driving energy performance improvement across BSC's global manufacturing network, as well as decarbonising our energy streams.

Qualifications:

Building Services Engineering Degree, Higher Diploma in Environmental Engineering, Research Masters in Energy Management, Certified Energy Manager



10.10am

Mark Yeeles
VP Industrial Automation
Schneider Electric

Mark has worked in the automation supply industry for over 25 years, joining Schneider Electric in 2015 and currently holds the position of Vice President – Industrial Automation for the UK&I Zone.

Mark is passionate about supporting UK&I manufacturing and driving innovation in the industrial sector, caring strongly for apprenticeships and early career development."



10.30am

Dr. Paul Cummins
Managing Director
SeaChange Ltd

Paul is Managing Director at SeaChange Ltd.; an Expert Safety Consultancy that designs and implements Innovative Solutions to increase Safety Culture, Safety Performance and Safety Results; while decreasing costly accidents, claims and insurance costs in organisations.

SeaChange solutions include digital products, lean risk management systems, behaviour-based safety programmes, interactive & visual tools, bespoke consultancy and leadership training/certification applied to increase client performance in the areas of Safety Culture, Behaviour-Based Health & Safety, Risk Management and Safety Leadership. SeaChange corporate clients span multiple sectors including Pharma, Food & Drink Multinationals, Manufacturing, and SMEs, across Ireland and Europe.

Paul has a BA and MSc in psychology, and an MBA where his research focus was on 'leading staff safety behaviour change through lean engagement practices'. Paul's MBA thesis was published as a book in 2011: "The Effectiveness of Health & Safety Communication Practices: A Qualitative Investigation of the Effectiveness of H&S Communication Practices through Engagement." In 2014 Paul completed his PhD in Organisational Leadership. Paul's research led to key insights on understanding and positively impacting Safety Culture. Paul's psychology and business qualifications have led to extensive experience working with a range of professionals in enhancing their safety performance through practical means.

10.50am - Discussion Panel & Refreshment Break



11.50am

Peter Moran
Manager, Global Energy & Environmental
Sustainability Program - AbbVie

Peter is a results-oriented engineering, management and energy management professional with extensive experience in various industry sectors. Best described as proactive, talented and committed, and with a proven track record of achievement. Peter fulfils a number of roles for AbbVie where he is the Energy Management Leader and Sustainability Lead at AbbVie MHR and also provides AbbVie Global Energy Support for Irish and European manufacturing sites.

Peter holds an MBA, a Degree in Mechanical Engineering and a number of energy management qualifications including Certified Energy Manager (CEM). Peter's contributions in energy management were recognised by his peers when he was awarded the 2017 Energy Manager of the Year Award for Western Europe by the AEE.



12.10pm

Paul Walsh
General Manager
EMEA, CIM

Leading CIM's European expansion, Paul joined CIM with a passion for combating climate change and how disruptive technology has the ability to remove barriers to delivering demand-side energy savings for large property owners in a very short time frame. Prior to joining CIM, Paul led the Johnson & Johnson Ireland Energy Team, delivering over 15,000MT of CO2 reduction programs and also working on several sustainability initiatives.

With 20 years of industry experience in delivering energy savings, Paul is a Certified Energy Manager with a Bachelor of Technology (Hons) in Manufacturing Technology and an MBA from the University of Limerick.



12.30pm

Sarah Kent
Senior Energy Management Consultant
CG Business Consulting

As sustainability and Environment Social & Governance (ESG) is now a strategic and operative imperative for our clients and Irish businesses, we are excited to announce our new dedicated sustainability division. The aim of our new sustainability division is to help our clients to formulate their sustainability strategy and to improve environmental performance, identify ways to reduce emissions, and operate more sustainably.

There is no denying, climate change is the most pressing and urgent issue of our time. Even in a year dominated by a global pandemic, the sustainability revolution has accelerated faster than expected, while also expanding to include a wider range of environmental and social issues.

Our new Sustainability Division is headed up by Sarah Kent, who is the one of few female energy certified auditors in Ireland. We are absolutely thrilled to have Sarah join our team so we can offer our clients a very professional and technical expert in sustainability.

Through the quality ISO 14001 Environmental Management System and ISO 50001 Energy Management System our team will develop a management system bespoke to your business goals. Your journey for sustainability starts with CGBC.

12.50pm - Discussion Panel & Refreshment Break



2.00pm | Case 1

Paul Boylan
Technical Director
Vivid Edge

Setting aside my passions for Engineering, Project Management, Premises Operations and Maintenance etc., I am very engaged in matters of energy optimisation, sustainability and my focus in recent years has really centred around implementing energy/environmental initiatives, sharing best practices, raising awareness and closing the loop on the many strands associated with 'being green'. These strands range anywhere from corporate social responsibility to participation in the green economy.

As a council member in the Dublin Chamber of Commerce, I sit on the Sustainability Taskforce and am dedicated to supporting the delivery of a sustainable future wherever possible.

I am currently Technical Director and Co-Founder with Vivid Edge, a company that enables energy efficiency projects for organisations who have other priorities for their capital. We allow our clients avoid any "race to the bottom" and gain access to cutting edge energy efficiency equipment. Our approach amongst other things, affords the client to realise immediate, structured and sustainable savings, increased operational resilience and reduced emissions with no capital outlay.



2.20pm | Case 2

Gerry Shannon
Chairman
Obton

Gerry has spent a whole 30 year career in Finance and Technology. Since 2010 he has been actively involved in the South African solar IPP programme as well as the Irish and UK solar markets. Resulting in the award of 118MW of projects won in the Irish RESS 1 auction.



2.40pm

Michael Hegglin
Sustainability Manager and Team Lead
SkyCell

Michael is heading the sustainability department at SkyCell, where he is advancing green pharma logistics. Under his environmental leadership, SkyCell has set Science-Based CO2 targets, switched to renewable electricity, received the EcoVadis Gold Medal, and became operationally carbon neutral. Before joining SkyCell, Michael worked as a sustainability consultant and clean energy match-maker in the US, Germany, and Switzerland.

Michael has studied environmental sciences at ETH Zurich and Yale University and has thus profound knowledge of environmental systems and policies.



2.40pm

Liam Burke Masterson
Business Development Manager
SkyCell

Liam Burke Masterson is the Business Development Manager for SkyCell in Ireland, experienced in managing key accounts and creating and sustaining new partnerships globally. He is responsible for positioning SkyCell's safe secure and sustainable solution for temperature controlled transport to the pharmaceutical industry across the island and beyond. Having spent over 7 years in the Middle East and returning to his "very green" native island, he is eager to promote sustainable solutions into the pharma supply chain that significantly reduce carbon emissions, such as SkyCell's hybrid containers.

SkyCell provides safe, secure and sustainable pharmaceutical supply chains for temperature-sensitive, life-saving medicines. Recently, SkyCell has been awarded with a Gold Medal by EcoVadis, the international rating agency for sustainability evaluation, positioning them in the top 3% of all companies assessed.

Liam holds a MSc in Project and Programme Management along with an extensive background in life science, genomics, and Biobank coordination & management. Having been involved in large international projects, Liam actively remains involved in the international Biobank community through participation in ESBB working group level, as well as holding an advisory position with Biosample Hub.



3.00PM

Derek Mullins
Global Utilities Lead Corporate Facilities & Engineering
Amgen

Derek is Senior Manager of Corporate Facilities & Engineering in Amgen's global engineering team.

Utilities are responsible for the majority of a pharmaceutical facility's energy & water consumption. Derek's team are responsible for providing strategy & support for both clean & plant utilities across Amgen's network of biopharmaceutical manufacturing & development facilities. Previous to this job, Derek has held energy & utilities engineering roles across a number of companies in both the pharma and electronics manufacturing sectors.

He also led Amgen through to successful attainment of the 2020 environmental sustainability targets for energy & water. He is a Chartered Engineer, a Certified Energy Manager, and a Lean Six Sigma Black Belt.



3.20pm

Dermot McArdle
Business Markets Manager
Electric Ireland

Dermot McArdle is the Business Markets Manager at Electric Ireland where he is responsible for the management and delivery of Electric Ireland's business solutions to the Large Energy User and SME sectors, in both Ireland and Northern Ireland, including electricity and gas supply, and telecom offerings. Dermot has been in the energy industry for over 30 years.

In his time with ESB Group and Electric Ireland, he has held senior management positions across the finance, commercial, generation, supply and trading businesses. Dermot is an expert on energy policy, energy markets and trading.



3.40pm

Gavin Kane
Director
Quadra Consulting

Gavin Kane is a Director at Quadra Ltd and has been involved in the field of ISO standards for over 20 years. His experience spans a wide range of ISO standards including:

- ISO9001 — Quality Management
- ISO14001 — Environmental Management
- ISO45001 — Health and Safety Management
- ISO27001 — Information Security Management
- ISO22301 — Business Continuity Management
- ISO20000 — IT Service Management
- ISO13485 — Medical Devices
- ISO17020/25 — Laboratory Standards

Gavin specialises in assisting clients to achieve and maintain certification to these standards and has also carried out certification audits for a number of Accredited Certification Bodies. His experience includes projects in Ireland, UK, USA, Spain, France, Germany, Sweden, The Netherlands, and Lebanon.

Gavin has completed and has delivered IRCA approved training and is a Chartered Member of IOSH, having studied at Queens University Belfast.

Exhibitors



Antaris Consulting

Antaris Consulting is advocates for setting science-based targets (our own targets have been approved by the SBTi), and we're enthusiastic about sharing our knowledge and expertise to help companies make measurable reductions in carbon emissions.

We are members of 1% for the Planet and every year we give 1% of our turnover to environmental non-profit organisations that are working to improve our environment. Antaris also recognises our place in the wider social and environmental context and align our activities with relevant UN Sustainable Development Goals.

We recognise that climate, sustainability, and biodiversity are threats to our planet and to our businesses. Addressing these risks is key to business survival. Antaris offers bespoke advice on how to identify and address the climate, sustainability, and biodiversity threats facing your business and identify actions you can take to address and mitigate these threats.

www.antarisconsulting.com

Apex Fire Ltd

Apex Fire Ltd are a nationwide Fire and Security business with coverage on the island of Ireland both North & South, with Offices & Warehouse facilities in Cavan (HQ), Belfast (HO), Cork, Dublin, Limerick, and Galway. Operating a 24 /7 call out service with a quality assured management systems to ISO: 9001:2015 and FIAI and PSA registration.

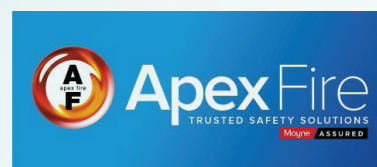
Some main Products & Services include:

Supply, installation, testing and commissioning of the following.

- Portable and Automatic approved CE Certified third party Fire Extinguishers
- Fire Hose Reels and Cabinets
- Fire Alarm / Emergency Lighting
- CCTV, Access Control and Security Barrier
- Fire Hydrant Equipment and Flow Test Reports
- Fire Mains Equipment (Dry / Wet Riser Systems)
- Various PPE and Safety Signage / Equipment
- Fire, Occupational First Aid and Safety Training, both classroom and e-training available

Our sister companies ETL Security and O'Mahony Security offer the security services such as CCTV, Access control and Security barriers throughout the Island of Ireland. Visit our website www.apexfire.ie for further details or call 1800 929 829 and ask to speak with a member of our compliance team. Apex Fire specialises in all types of Portable & wheeled fire extinguishers, Fire hose reels / cabinets & fire alarm / Emergency lighting systems.

www.apexfire.ie



APLEONA Apleona

Apleona is one of the largest Facility Management service providers to the Life Science Industry in Ireland. As an Integrated Facility Management (IFM) service provider specialising in a 'Self-Delivery' model we provide a wide range of services to our Life Science clients in Ireland & throughout Europe, through a key account model.

Our 'Self-Delivery' model coupled with our vast Pharma experience has allowed us create & maintain a bank of Life Science Subject Matter Experts providing a fully compliant best-in-class service to our clients. Our Life Science Team ensure that our client sites are run at their optimal performance & that their operations are fully compliant on a 24/7/365 basis while at the same time focusing on innovation, sustainability & efficiencies.

Apleona's IFM capability allows us to provide an extensive list of services to our clients including but not limited to; M&E, GxP including Cleaning, Industrial Cleaning, Energy Management, Sustainability, Production Line Maintenance, Security, Catering, Project Management, Spare Parts Management, SOPs, Waste Management, Procurement & Vendor Management, HSEQ Services, Compliance Management, Software Development & Techno.

www.apleona.ie

Association of Energy Engineers

The Association of Energy Engineers® (AEE®), founded in 1977 by Albert Thumann, is a nonprofit professional society of over 18,000 members in more than 100 countries. The mission of AEE is "to promote the scientific and educational interests of those engaged in the energy industry and to foster action for Sustainable Development."



On the 26th & 27th October 2022 the AEE will host their inaugural European conference, exhibition and training sessions in RDS Dublin – before moving on in 2023 to the next European location. This unique 2-day conference will bring together Energy Engineers from industry & business across Europe to openly discuss the challenges of energy efficiency within their organisation. Engineers will have the opportunity to re-certify, network with peers and understand the various augmented solutions available to them from the on-site solution suppliers!

www.aeeuropeenergy.com

Certification Europe



Certification Europe founded in 1999 is an internationally accredited certification body based in Dublin with offices in Italy and Japan. We work with organisations across the globe to achieve ISO Certification plus provide training on a variety of management systems from Quality Management, Health & Safety to Energy Management and Information Security.

ISO 50001 Energy Management Systems is a global standard for organisations looking to improve their energy management. It provides an internationally recognised framework for implementing an energy management system (EnMS), helping organisations improve energy efficiency and reduce their environmental impact.

ISO 14001 Environmental Management System is for organisations wanting to demonstrate their environmental credentials. It details the requirements for implementing an environmental management system (EMS), which plays a vital role in how businesses measure, manage and control their environmental impact.

www.certificationeurope.com

CIM

CIM has created an innovative data analytics software that helps run large buildings at their peak performance. Our flexible SaaS PEAK platform integrates building intelligence, machine learning, mechanical engineering, and automated fault detection diagnostics to improve efficiency, sustainability, compliance and comfort across any building type. PEAK automatically collects existing live building data to help stakeholders pinpoint and resolve inefficiencies that may be consuming more energy and impacting OPEX.



Through building digitisation and critical utilities optimisation, CIM delivers economic and environmental benefits for Building Owners and Operators. CIM has a proven track record across many industries with a strong presence in the Pharmaceuticals sector. Global fortune 500 companies partner with CIM to optimise & future proof their assets resulting in actionable data-driven insights on the operational performance of their sites. We have partnered with leading pharmaceutical companies such as J&J, Gilead, and ThermoFisher to name a few. Join us at Stand 22 to learn more!

www.cim.io



Coftec

Coftec is a leading provider of water & wastewater treatment solutions for the Irish & UK markets. Operating across the municipal & industrial sectors we provide solutions based on technical excellence, true added value & reliability to our Clients & Customers.

We leverage extensive in-house Design, Build, Operate expertise, access to a portfolio of state-of-the-art water quality monitoring products, water purification technologies & modular treatment plants to deliver

optimum engineering solutions to meet specific project needs. Further supported by our network of technology partners, Coftec has an extensive portfolio of products selected to meet the challenges of today's water services industry & is the official distributor for Badger Meter, ATI, s::can & Idro Group across the UK & Ireland. Our water treatment solutions include RO, UF, DI, MBR, MBBR, SBR, UV Disinfection & chemical dosing etc. built into either a fixed water or wastewater plant or within a containerised unit. Coftec is part of Coffey, a civil, environmental, & building contracting group of companies with over 47-years of deep industry experience across every major construction section in Ireland & the UK

www.coftec.ie

Exhibitors



Control Station

Control Station enables sustainable, continuous improvement of production, decreasing waste and energy consumption, increasing quality and throughput, with solutions that empower process manufacturers to realize the fullest potential.

As experts in regulatory control, we apply focus to the performance of your facility's PID's. Our technologies leverage readily available process data for advanced analysis of control loops, that regulate your production critical processes. Through a combination of key performance indicators (KPIs) and forensic tools our solutions identify issues that undermine production performance, isolate associated root-causes, and recommend appropriate corrective actions. Those KPIs adjust as performance gains are realized, constantly tightening expectation of the control, and supporting continuous sustainable process improvement.

We are a recognized leader in process diagnostic and optimization as well as the application and transfer of manufacturing best-practices.

We have extensive experience fulfilling the productivity goals of world-class manufacturers from across process industries, including Biotech & Pharma, Food & Beverage, Oil & Gas sectors.

www.controlstation.com

CUBIC Modulsystem A/S Ireland

We believe in the power of modular thinking.

The world is made of billions of small parts, that come together to form the big picture. Connecting those parts is the power of modular thinking. We believe in framing that power, to unlock the full potential within the worlds industries.

Our modular mindset and unique product concept, makes us the best at what we do, by offering state of the art electrical enclosure solutions based on flexibility, cost efficiency, training, and support.

We also offer completely customized solutions designed for your unique requirements as well as a collection of stainless enclosures quickly fitted to meet most demands.

As a Danish company, we come from a legacy of making our place in the world, by knowing how we fit in the big picture and playing our part to perfection. Our power is not measured in numbers or size, but is found in our ability to educate, innovate, and adapt.

From this legacy, we build lasting partnerships based on the common ambition to grow together as partners as well as individual businesses.

Let's build the future together.

www.cubic.eu

CUBIC



Daikin

Daikin are a worldwide leading manufacturer and supplier of heating, ventilation, air conditioning and applied products, including air to water heat pumps for residential applications and industrial chillers for commercial applications. Daikin first opened its offices in Ireland in 2005 and have grown from 2 employees to over 40. High energy efficiency and reliability is what Daikin offers for all kinds of industrial facilities. We have devoted ourselves to continuous innovation and improvement, and pride ourselves in offering outstanding solutions for all regions in the world. For more information or project support you can contact us via applied@daikin.ie

www.daikin.ie

Enva Ireland

Enva is a leading provider of sustainability solutions, we continually innovate to process complex waste streams and recover resources to displace their virgin counterparts. Driving Circular Economy outcomes reduces the need for virgin resources and the associated energy and CO2 impact of extracting, transporting and refining these materials. We also deliver a full spectrum of potable, process and wastewater services with a proven track record of servicing pharmaceutical customers across Ireland and the UK. Our team specialise in diagnosing and resolving operating issues across the whole water treatment network including storm and wastewater recovery and re-use. We aim to maximise efficiency of resources while minimising energy consumption. Enva provide environmentally sustainable products with an emphasis on reducing chemicals, replacing with a biological or technological solution to meet the client's needs. Enva partners with pharmaceutical companies on complex industrial cleaning and decontamination problems and our services are designed to minimise downtime and business disruption, whilst protecting your organisation and the plant from health and environmental issues.

www.enva.com

enva

Ermen Systems

Ermen Systems will be exhibiting Biovitae LED Sanitation system, ideal for Pharmaceutical sector. Biovitae is a NON UV safe to use LED Sanitation system which utilizes existing Lighting Structure. As it is safe to be illuminated in the presence of people, it provides continuous sanitation, eliminating Bacteria and Viruses.

It is a sustainable and environmentally friendly sanitation system as no chemicals are used,

The ease of installation and safe to operate features of the system make it ideal in many applications:

Production processes, protecting people and equipment against Bacteria and Viruses; Warehouse/Product Storage, Meeting Rooms, Gowning Areas, Reception and other communal points, Canteen, Bathrooms, Elevators etc. Offering all the benefits of a Human Centric, Energy Efficient Lighting System, Biovitae has added continuous Sanitation making it the must have LED Lighting system for Pharma sector.



www.ermensystems.ie



Fike

Fike are the pace setters in Explosion Protection and Pressure Relief innovation, Fike Corporation is a Global team of experienced professionals dedicated to life and Business safety, We work closely with our clients to provide sustainable solutions to highly complex problems.

www.fike.com

Goliath Packaging Systems Ltd

Goliath Packaging Systems, operating in Nenagh since 2007, supplies, installs & after-sales services a comprehensive range of Automation Systems (incorporating End of Line Packaging Machinery, Materials Handling & Industrial Washing Equipment) to the Irish manufacturing sector. With experience gained through many years of successful project delivery, the expertise of its international partners & the skills of its trained staff, Goliath is perfectly positioned to continue to meet the demands of its growing customer base. Goliath also offers a Project Management / Packaging Consultancy Service to assist in the early determination of a customers' particular packaging equipment requirements & cost reduction potential.

This service, which is free of charge, has, according to O'Leary "been instrumental in allowing our customers to determine payback periods before committing to a machine or integrated system purchase. When presented with real, identifiable cost reduction scenarios, customers are in a perfect position to argue the benefits of such investment with their finance providers, whether in-house or external.

Goliath understands the automation needs of its broad customer base. From liquid filling, shrink wrapping, case-packing, labelling, palletising & pallet inverting to high speed industrial washing; via partnerships with our international suppliers, Goliath has positioned itself as a reliable provider of Automated Solutions to the Irish manufacturing industry.

Centrally located on Well Road, Nenagh, Goliath is less than 2 hours from all major markets, while trained engineers maintain spare parts and service all equipment installed with annual service contracts (reactive / preventative) available as preferred.



www.goliath.ie



Induchem Group

Expert people. Best in class products. Exceptional service.

Induchem Group was established in 1982. Now in our 40th year, our experience and expertise have earned us a reputation as a reliable, responsible partner within the global process industry. We are focused on meeting our customer's need for quality by providing high performance solutions they can

trust. We provide twenty four hour service which ensures our customers maximise their efficiency and productivity.

Our customers include almost all of the leading pharmaceutical & biopharmaceutical manufacturing companies in Ireland, we are also involved in major projects across the world. Our reach is wide but our service is personal. We have dynamic, multi-disciplined, highly skilled teams throughout our service centre network across Ireland and the UK. Our team is our most valuable asset.

Exhibitors

Induchem Group are the exclusive distributor in Ireland for the following brands;

- ITT Hygienic Diaphragm Valves
- Steriflow Valve
- Jordan Valve
- SVF Ball Valves
- Equilibar
- Low Flow Valve
- OsecoElfab
- Flow Controls DeltaP Valve
- Bray Controls Butterfly Valves



Induchem Group have developed & evolved our production facility in Cork to be able to quickly and efficiently answer the needs of our clients.

Products produced in Cork now include;

- Resistoflex PTFE Lined Pipe & Fittings
- ACE Sanitary hose Range
- Behringer Sanitary Pipe Supports

Our workshop personnel help our clients achieve quality and reliability targets through targeted maintenance activities, carried out either on our customer's site or at our extensive workshop facility in Cork.

Services we offer include;

- Pressure Safety Valve overhaul and recertification
- Control Valve Health Check (CVHC)
- Elastomer Change Out (ECO)
- Commissioning Support

www.induchemgroup.com



Irish Quality Centre (IQC)

Irish Quality Centre (IQC) is one of Ireland's leading providers of Training, Consultancy and Auditing, in Quality, Environmental and Health and Safety Management Systems.

Our internationally IRCA-approved Auditor Training courses are delivered across Ireland and Europe.

We have a team of expert consultants supporting all industries and we are ISO 9001:2015 Certified.

www.iqc.ie

Obton

Obton are working with Shannon Energy to deliver more than 1 GW of renewable energy in Ireland in the next

five years. Our goal is to assemble a diverse portfolio of projects that will provide a supply of solar-generated electricity for many years to come.

www.obton.com





PlantQuest

PlantQuest digitises large facilities with intelligent mapping allowing customers to transform their sites operations. PlantQuest's ability to combine and layer multiple data sources allows workers to make data-driven decisions, locate & route to all assets, reduce emergency response times, increase site safety and lock in critical site knowledge.

The PlantQuest suite has been designed to be deployed within all sites. From the oldest legacy and brownfield facilities to the most cutting-edge greenfield sites. Designed to scale and integrate with incumbent facility systems such as BMS and CMMS, PlantQuest brings location-based intelligence and workflows to a multitude of operations and departments, allowing workers to visualise and interact with their workplace. PlantQuest creates user-friendly and intuitive interfaces ensuring critical asset information is easily accessible, delivering a google-maps/Streetview like experience for your facility. Behind this intuitive interface lies a cutting-edge rules engine that gives you the ability to apply area/room classifications ensuring that your solution aligns with your facility's business rules.

www.plantquest.com | info@plantquest.com

Quadra

Quadra, established in 1991, is a world leading Management and Training Consultancy specialising in the implementation of organisational management systems aligned with the requirements of international best practice standards (ISO). For over 30 years, we have assisted Private Sector, Public Sector and Local Governmental bodies throughout the globe to establish improved assurance reporting, governance, and processes, as well as implementing and auditing management systems aligned with the requirements of ISO standards. Quadra can help your organisation to achieve certification to ISO standards and to use these to improve business performance, develop growth potential, and access new and emerging marketing. Certification to ISO standard is becoming an increasingly important condition of tender selection criteria and many organisations now require their supply chain to demonstrate certification to ISO standards. Quadra specialises in a range of ISO standards including:



- ISO9001 Quality Management | - ISO14001 Environmental Management
- ISO45001 Health and Safety Management | - ISO13485 Quality Management for Medical Devices
- ISO17025 Laboratory Management

www.quadraconsulting.com



Samson

We can look back on a successful history of over 110 years. Our high-quality control valves are benchmarks in the process industry and the basis of our worldwide success. SAMSON manufactures control valves, butterfly valves and modular automation units for use in all areas of process engineering as well as self-operated regulators for simple control systems with a constant reference variable. Sophisticated transmitters, controllers and automated systems are also part of the SAMSON product range. Solutions from the SAM DIGITAL product line have been added for smart networking of components and systems in process automation to take on the challenges posed by the digitalization.

www.samsongroup.com

Schneider Electric

Schneider's purpose is to empower all to make the most of our energy and resources, bridging progress and sustainability for all. We call this Life Is On. Our mission is to be your digital partner for Sustainability and Efficiency. We drive digital transformation by integrating world-leading process and energy technologies, end-point to cloud connecting products, controls, software and services, across the entire lifecycle, enabling integrated company management for pharmaceuticals and life sciences. We are the most local of global companies. We are advocates of open standards and partnership ecosystems that are passionate about our shared Meaningful Purpose, Inclusive and Empowered values.



www.se.com/ie



SeaChange Ltd

SeaChange provide expert safety consultancy solutions and services that prioritise behavioural engagement to help organisations implement a sustained, practical and positive safety culture as a core value of their businesses.

Pharmaceutical organisations often spearhead safety investment and performance; however, despite the significant investment made, still experience unsafe behaviours, related near misses and incidents in the workplace hitting a stumbling block in their safety performance because they do not know how to grow and sustain their safety culture through a people-based approach.

SeaChange provide organisations with bespoke safety culture solutions that engage the workforce, communicate safety in a meaningful way, and build ownership and accountability. Our expert and evidence-based solutions are proven to transform safety culture at every level of the organisation. We partner with several leading Pharmaceutical companies to amplify their existing safety systems and support their vision to become a global leader in safety culture performance. Partner with SeaChange today to lead a sustainable and positive safety culture in your Pharmaceutical business.

www.seachange.ie

SkyCell AG



SkyCell offers a data-driven container solution that allows pharma companies to optimise their supply chain

by reducing, and even predicting, the risk of delivering sensitive drugs around the world. It brings together big data, software and hardware to transform an ever-evolving supply chain, using a growing pool of nearly one billion data points to enable a market-leading failure rate of less than 0.1%, whilst also reducing CO2 emissions by almost half. Founded in Switzerland in 2012, the company's innovative approach has been validated by leading pharma companies and has partnerships with major airlines.

Safe. Secure. Sustainable.

www.skycell.ch



Total Data Centre Solutions

Total Data Centre Solution was established in 2002 to assist data centre operators design, build and market new data centres. Since then we have worked in Ireland, UK, Luxembourg and Scandinavia. With its sister company 'Sustainable Data Centre Solutions' we assess multiple technologies that deliver meaningful cost and carbon reduction. We find the very best ones and offer them in commercially innovative ways to large electricity consumers.

For Pharmaceutical companies operating in Ireland we can offer with ZERO CAPEX, ZERO OPEX, multi MW Battery Energy Storage Systems (BESS) and on-site/near site power generation from Solar/CHP (BESS+) to reduce Carbon Footprint and Energy Bills significantly. Importantly we can protect your manufacturing facility from Irish Grid instabilities and fluctuations. In these instances we know that Manufacturing Plants grid instability can cause Major and Costly problems on the production lines.

www.totaldatacentresolutions.co.uk/battery-energy-storage/

Total Air Solutions

Total Air Solutions are Ireland's leading ventilation compliance company. We are licenced installers of the world's 1st artificial intelligence-based solution for real time monitoring of pharmaceutical ventilation systems. The sensors look at 4 main perimeters which are:

- Dust accumulation in HVAC system
- Microbial contamination
- Pressure differential in AHU filtration
- IAQ (Indoor Air Quality)



Having Remotair real time monitoring in your HVAC system means there is no down time for unnecessary changing of filters, as well as having a legal benefit to having your ventilation system monitored 24/7. The AI machine learning of the sensors allows the predictive analysis of the HVAC systems. It can tell you when you should clean the system or change the filters. We do this by using a matrix of 100,000 plus data points collected over years of research. Total Air Solutions also seal ventilation systems in the pharmaceutical industry using our product called AeroSeal. This innovative technology allows us to offer our clients the opportunity to save on energy costs along with reducing carbon emissions and increasing the overall air quality in their workplace. It has been proven that there are substantial savings on energy bills and CO2 emissions after AEROSEAL is applied. Worth Noting at the most recent SEAI Energy Show "AEROSEAL" won the Best Energy Efficient Product of the Show Award 2022. This product is perfect for large volumes of air in which pharmaceuticals are front and centre. All in All for the health, hygiene and efficiency of your HVAC systems we are the go to company in Ireland with our motto – "Clean, Seal, Monitor and Maintain".

www.totalairsolutions.ie



United Drug Wholesale

United Drug is Ireland's largest pharmaceutical distribution company and was originally founded by a group of pharmacists in Ballina, Mayo in 1948. In 2016 United Drug became part of McKesson Europe and has been a force for innovation in Ireland's pharmaceutical industry. Employing more than 650 staff across operations in Dublin, Limerick and Mayo, we partner with more than 1,900 pharmacies, hospitals, clinics and primary care centres across Ireland. Our business spans across three business units; United Drug Wholesale,

United Drug Distribution and United Drug Consumer – all leaders in their category.

Our mission as a distribution partner is to help our customers improve the quality of care and service they deliver to patients nationwide. At United Drug, we are focused on the future and how we can continue to improve the lives of patients around Ireland. This involves making our customers and partners wildly successful. Because when they succeed, the patient wins. Our focus on the patient drives everything we do!

www.united-drug.com

Valve Services

Since 1980, Valve Services has been Ireland's main provider of both Valve Sales and Valve Support services. Our extensive experience allows us to tailor a solution to your particular requirements - offering a broad network of new valve agencies, and the expertise to design effective re-manufactured solutions from our own workshop.



The high level of service an operation we provide, has enabled Valve Services to become the very first valve repair service to attain the standard of procedure management and execution required for ISO 9001:2015. From pre-sales to support, repair and re-manufacturing Valve Services has built up a reputation and a level of expertise that is unrivalled in Ireland with clients from the Pharmaceutical, Power Generation, Dairy & Brewing industries. Quality, Reliability and experience are not simply ideals - they are by-words for everything we do.

Valve Services operates from a bespoke facility in the heart of Cork's Pharma-Chem industry

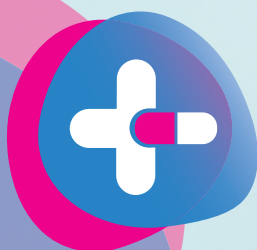
www.valve.ie



Veolia Water Technologies

Veolia Water Technologies advises and assists the pharmaceutical industry on compliant purified water, water for injection, clean steam and wastewater systems for pharmaceutical and cosmetic applications. Our expertise helps reduce your production costs while protecting your installations. We treat all kinds of wastewater and provide compendial waters compliant with pharmacopoeias requirements.

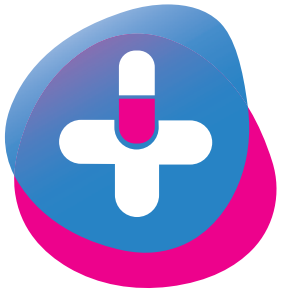
www.veoliawatertechnologies.ie



FUTURE IN PHARMACEUTICALS

I R E L A N D 2 0 2 2

Driven by Sustainability

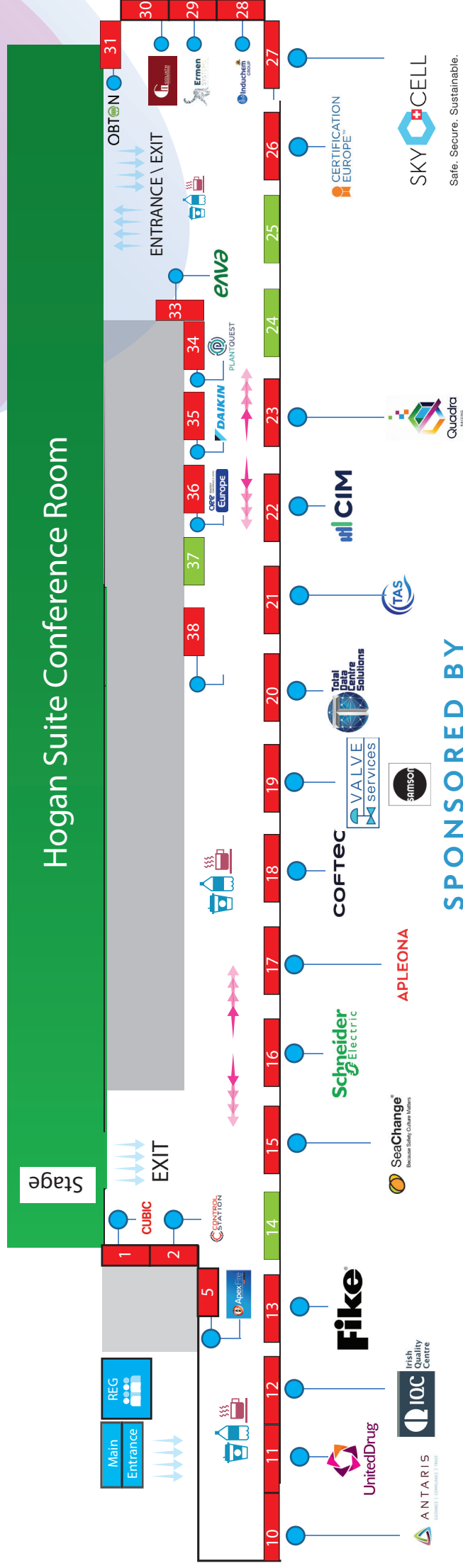


FUTURE IN PHARMACEUTICALS

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Driven by Sustainability

Croke Park 6th July 2022



OBTON

Schneider Electric



Safe. Secure. Sustainable.



Future in Pharmaceuticals Ireland 2022 | Exhibition Floor Plan

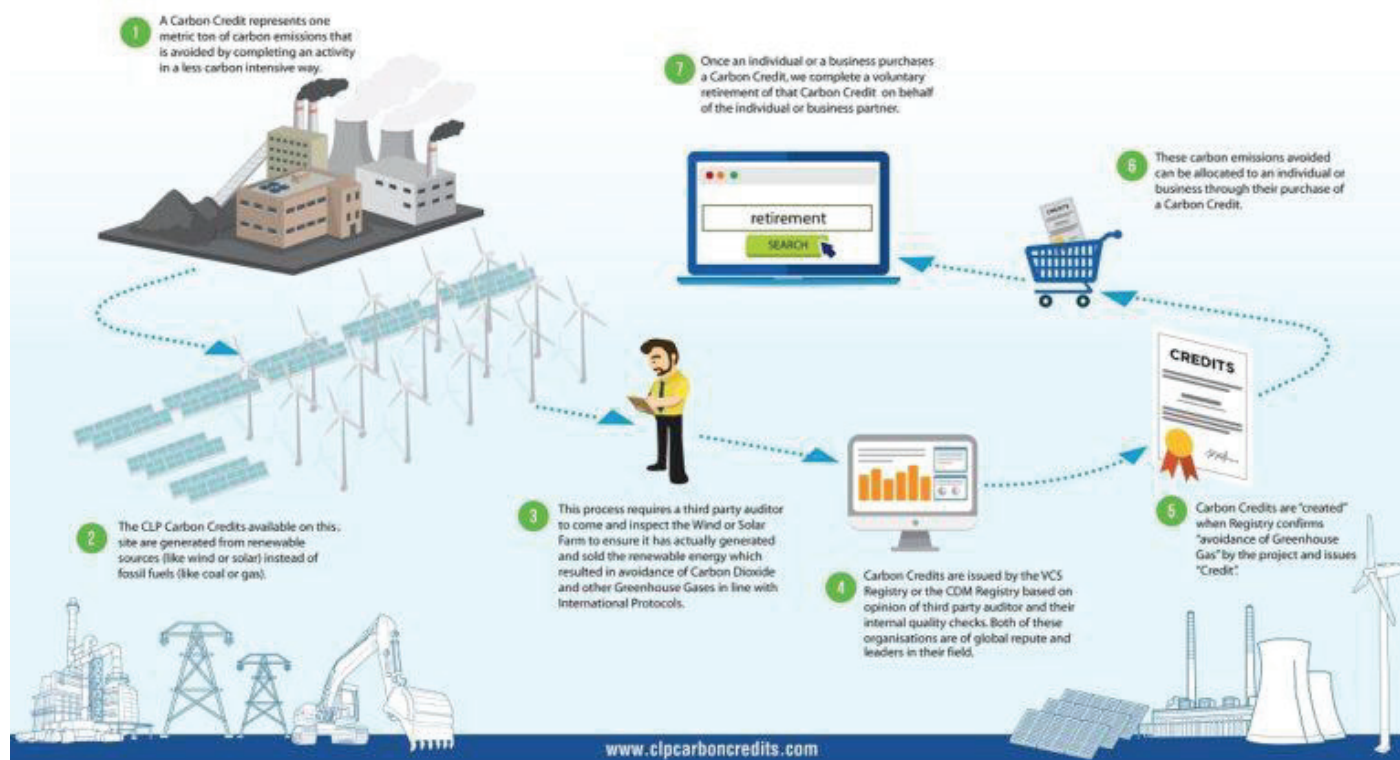
OBTON

Obton is a Danish company with an Irish presence since 2018. We have assembled over 2,000 hectares of Solar Parks for power generation. We use the existing Eirgrid structure to deliver the power to Multinational Pharmaceuticals under a Corporate Power Purchase Agreement at stable and guaranteed rates for fifteen years. The Carbon Credits become the property of the Corporate consumer and this allows full 2030 compliance for only using 'green power'.

Get you free proposal by contacting Aaron O'Neill on aon@obton.com



WHAT IS A CARBON CREDIT?



United Drug's sustainability mission is to be carbon neutral by 2030

United, we do better.



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Driving Energy Solutions, Efficiencies
& Innovations Throughout Europe

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