



G-CON
MANUFACTURING



POD Talk

Leading Prefabricated Cleanroom Designs.

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WATCH NOW

PORTABLE. CONTINUOUS. MINIATURE. MODULAR. FAST TO MARKET WITH PCMM

Earlier this year, G-CON delivered to Pfizer a new Portable, Continuous, Miniature, and Modular (PCMM) POD with tablet coating capability, expanding Pfizer's PCMM facility in Groton, CT. PCMM, a first-of-a-kind modular drug manufacturing facility, allows the acceleration of the manufacturing of medicines and make them available to patients faster, shortening the process from weeks to minutes. The faster medicine can be made, the faster it can get to the patients who need it. The G-CON Team is honored to have partnered with Pfizer in realizing their vision of getting breakthrough therapies to patients in accelerated fashion. It has been a remarkable effort by all parties, not only designing and building an innovative, state of the art manufacturing facility, but in a fraction of the typical timeline. [Watch now to learn more.](#)



FUN FACTS

In less than 2 years, G-CON more than doubled its workforce and increased its manufacturing space at its College Station, TX headquarters by nearly **100,000 sqft** and **225,000 sqft** worldwide.

of PODs Delivered so far in 2019: **37**
 # of PODs Delivered in Q3: **19**

A LETTER FROM OUR CEO



Maik W. Jornitz
President and CEO

The fourth quarter is here and closes out an exceptionally successful year for G-CON!

In 2019 we doubled our sales and manufacturing footprint. Key components of that growth are a new 72,000 square foot assembly facility and a 19,000 square foot superstructure facility with an optimized layout and equipment. We also acquired another contiguous two-acre tract for future expansion. With this additional capacity, G-CON is well prepared for already booked orders and forecasted sales.

We have also strengthened our team, which will reach a headcount of 160 by the end of the year. This increase has and will be across many functions including manufacturing staff, engineering, automation, quality/commissioning and project management. The G-CON team is well equipped to support our clients and the robust delivery timelines and cost budget we provide in every project.

To further support our clients, we formed G-CON Building Services (GCBS). This group principally supports integration of PODs into facilities and manages construction in areas surrounding the PODs for our clients. With this capability, we can provide even more of a turnkey solution to clients.

Our expansion into Europe continues to grow and the Asgard/G-CON team has done a tremendous job on their first project, which is near completion. Also, in Europe we have seen an accelerated adoption of prefabricated cleanroom PODs with our manufacturing capability there. Given the same, we will continue to invest into the European market.

Looking into the next steps for G-CON, we will add products to our portfolio such as additional cell and gene therapy applications. We are beginning work on a new, upgraded standard product line, which can be delivered faster. The G-CON team will also enhance its service portfolio with additional groups within G-CON and new collaborators. Lastly, we will expand our global footprint further to serve underutilized regions.

Our cleanroom infrastructures are innovative and very different from the status quo. Such innovation moves technology forward. For example, if the semiconductor industry would have not adopted innovation, most of us would not be able to afford a mobile phone or laptop computer. Technology changes are necessary to improve quality and gain efficiency in production and cost.

I want to thank the entire G-CON team for their exceptional work ethic, diligence and motivation. It is a joy to work with you, as we all focus on supporting our clients and ultimately patients.

Most of all, I would like to take the opportunity to thank our clients for your loyalty, innovative vision and trust in the G-CON team! We are privileged to be part of your team.

Sincerely,

Maik W. Jornitz
President and CEO

IN THE NEWS

G-CON Manufacturing and L7 Informatics Develop the ESP smartPOD

G-CON and L7 Informatics announced their collaboration to develop a fully integrated cleanroom and manufacturing software solution to improve biologics manufacturing. The companies will integrate L7's Enterprise Science Platform ("ESP") into G-CON's proprietary cleanroom technology ("PODs"). The smartPOD will provide an integrated hardware and software solution that provides traceability, key performance indicators, product trending statistics and one single interface to access equipment data.

[Read more...](#)



G-CON Manufacturing and L7 Informatics Develop ESP G-CON smartPOD, the First-of-its-Kind Integrated Cleanroom Software Platform



G-CON and IPS Receive Pharma Manufacturing's Pharma Innovation Award

ÜBERcellFLEX, the prefabricated cleanroom infrastructure for the manufacturing of autologous cell therapies, wins collaborators G-CON and IPS the Pharma Innovation Award in Bioprocessing. ÜBERcellFLEX is part of the iCON product line, which also offers platforms for other applications, including fill/finish and monoclonal antibodies. [Read more...](#)

GenCure Receives its PODs

In September, G-CON delivered 6,700 sq. ft. of cleanroom space to client, GenCure. These PODs will provide the cleanroom capacity for the production of consistent, high-quality, clinical-grade adult stem cells needed to help bring potential new therapies into human clinical trials. PODs allowed GenCure to react fast to market through simultaneous construction of facilities and PODs.



G-CON's Manufacturing Site in Ireland Receives a Very Special Visit

Her Excellency, Ms. Deike Potzel, the German Ambassador to Ireland, stopped in for a visit to our Castlecomer manufacturing plant along with the Kilkenny Chamber of Commerce. The visit provided an opportunity to discuss the business in which we are undertaking in Germany currently and to explore ways in which Ms. Potzel can assist us, along with our partners Asgard Cleanroom Solutions, to do more business in Germany in the future. Ms. Potzel mentioned she was "blown away" by the immensity of the facility, the vision of the company, the operation, and most importantly, the product in which we produce.

TECHNICALLY SPEAKING



Pete Makowskyj
Director of Sales Engineering

Evolution of the POD: A Decade of thinking About the Box

Meeting Industry's Needs

In the past 10 years, G-CON has listened to our clients in developing our PODs in a manner that addresses key client needs. Doing things in a different manner than the previous norm, we can control aspects of a project that cannot be controlled in the field. As such, we can build facilities faster and at a lower total cost of ownership than traditional construction methods. Additionally, we can manage schedules and cost accurately allowing for more effective usage of resources by all parties.

Introduction

Earlier this year, G-CON Manufacturing celebrated its 10 year anniversary and what an amazing 10 years it has been. G-CON has been at the forefront in industry, leading the way in prefabricated cleanroom solutions. Throughout this time, G-CON has been known for their POD technology which is an autonomous cleanroom technology. However, what some are not yet aware of is how far our technology has progressed over those 10 years.

History

G-CON's roots are based in Texas. The generation 1 POD was engineered as a standalone cleanroom which could be docked onto a corridor. That original design was a 42'x18' module that was built more or less like a product. And while everything is bigger in Texas, shipping an 18' wide module to other parts of the country and around the world proved to be no easy task. Fast forward 10 years - we are multiple generations into our POD design and the way G-CON operates has changed significantly.

Evolution of the POD

The greatest difference in how G-CON PODs were designed and built 10 years ago vs today is that we are no longer just selling a product; we are creating solutions. The technology is more flexible, agile and robust due to continuous POD R&D, and while we still have many projects of smaller segregated cleanrooms, we have many other projects that require 4,000-5,000 sqft. of open cleanroom space. Utilizing a team of industry experts in both process and facility design, we are quickly able to assess the type of facility needed and tailor our solutions.

In terms of development of the POD, we have made quite a few improvements. Some are:

- Enhancing our floorboard structure for rigidity and to allow for extreme weight loading of process/mechanical equipment;
- Generating robust methods to interlock PODs together to create a seamless clean space;
- Improving roof design to allow for easier access to the interstitial space and enhanced structural stability of the PODs;
- Developing and improving the MegaPOD design to allow for process equipment requiring high ceiling heights;
- Structurally evaluating the four corner posts of the POD to allow for a completely open design.
- Designing a skidded mechanical space, typically sitting on top of the PODs when ground floor space is at a premium.

Given the same, G-CON is being utilized in applications we did not even consider when our technology was developed. Whether it is building out 20,000 ft² of clean space for a new facility or helping our partners treat a patient in under 18 months from the project kick off, we have made some enormous strides over the past 10 years. We are proud of what we have accomplished which can be summarized by saying, G-CON has simplified the entire design/build/validate process via our prefabricated cleanroom infrastructure line so pharmaceutical companies can focus on what really matters, the patient.



The G-CON Cleanroom POD design 2009 - 2013



The G-CON Cleanroom POD design today.



UPCOMING EVENTS



LIFE SCIENCES FUTURE

BIOPHARM

Thursday, October 3, 2019

7am - 5pm

Sheraton Valley Forge Hotel

King of Prussia, PA

Come and visit G-CON's booth at LSPA's Annual Life Sciences Future - Biopharm Conference. To schedule a meeting, email sales@gconbio.com.

CELL GENE

MEETING ON THE MESA

October 2 - 4, 2019

Carlsbad, CA

Meet with G-CON at the Cell & Gene Meeting on the Mesa in Carlsbad, CA. To schedule a meeting, email sales@gconbio.com.



Public Open Day

Friday October 11, 2019

11am - 1pm

The Prince, Castlecomer, Co. Kilkenny

Come and visit our Castlecomer facility with a live walk through our prefabricated cleanroom demo POD!



Join IPS and G-CON for a Fabulous

LAS VEGAS STYLE

NETWORKING EVENT!

Enjoy an open bar, heavy apps, and networking with colleagues and "celebrities."

To receive more information about this event, please email bberryman@gconbio.com.

KEY COLLABORATORS

Through relationships with our collaborating entities, we can provide turnkey solutions for our customers. G-CON thanks the below mentioned featured collaborators.



GE Healthcare



MILLIPORE SIGMA



SPOTLIGHT



Biotech

USD3351

Viral Vector Platform in POD Cleanroom System



Scale through flexibility

Pall's viral vector equipment, process development (PD) expertise, and production know-how address industry's most pressing challenges. Coupled with G-CON's prefabricated cleanroom PODs, this collaboration delivers a scalable platform in a flexible facility that is rapidly deployable and able to be repurposed to respond to changing requirements.

Current viral vector manufacturing methods are inefficient in terms of scale, yield and reproducibility. Regulatory and manufacturing economics require increased flexibility that traditional facility architecture cannot provide. Additionally, conventional approaches for capital projects are taking too long to complete, where time to market is a key driver for success.

Established Viral Vector Platform

Pall's viral vector platform is well known to the gene therapy industry. It is a complete end-to-end process that is well integrated, consisting of both upstream and downstream technology.

Filtration. Separation. Solution.SM



For more information, please visit www.gconbio.com/pall-viral-vector-pod

G-CON LEADERSHIP TEAM



Maik W. Jornitz
President and CEO



Paul Moore
Chief Financial Officer



Sid Backstrom
VP of Business
Management



Dennis Powers
VP of Business Development
and Sales Engineering



Blake Williams
VP of Manufacturing



Roman Bacham
Director of
Building Services



Brittany Berryman
Director of
Marketing



Pete Makowenskyj
Director of Sales
Engineering



Tom Ronat
Director of
Quality Assurance



Mark Taylor
Director of
Engineering and
Project Management



Tim Vickers
Executive Director of
Business Management

Have a project to discuss? Email us at sales@gconbio.com

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