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| |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | |  |  |  | | --- | --- | --- | | |  | | --- | | [https://gallery.mailchimp.com/3a5ee1f509d4e65c78cfe6acf/images/041e71de-e9ea-4ad4-8b12-ef66c16337a7.jpg](https://www.bcg.com/) |  |  | | --- | | [https://gallery.mailchimp.com/3a5ee1f509d4e65c78cfe6acf/images/50669210-d9ee-4cfd-863c-57a0552b9549.png](https://www.nibrt.ie/) | |  |  |  | | --- | --- | | |  | | --- | | [https://gallery.mailchimp.com/3a5ee1f509d4e65c78cfe6acf/images/18c3cbbc-9900-4571-93a2-8959297c2160.jpg](https://www.nibrt.ie/) | |  |  |  |  |  | | --- | --- | --- | --- | | |  |  |  | | --- | --- | --- | | |  |  | | --- | --- | | |  | | --- | |  | | | |  |  |  | | --- | --- | | |  | | --- | | **Boston Consulting Group and NIBRT announce the Biopharma 4.0 Alliance for Digital Innovation in Operations**  *The Alliance will develop and deploy Industry 4.0 technologies in order to deliver transformative benefits to the operations of global biopharma manufacturing and related sectors.*  DUBLIN, IRELAND, May 2nd 2019 – Boston Consulting Group (BCG) and National Institute for Bioprocessing Research and Training (NIBRT) are delighted to formally announce the creation of the Biopharma 4.0 (B4.0) Alliance for Digital Innovation in Operations.   The Alliance, the first of its kind globally, is a unique collaboration between leading players in the biopharma industry such as Takeda, selected innovative technology providers and industry experts from BCG and NIBRT.   The team has recently completed the B4.0 design blueprint, which lays out in detail the top 95 industry 4.0 use cases as applied to biopharma manufacturing. The blueprint outlines how biopharma companies can use cutting-edge technologies such as robotics, artificial intelligence and augmented reality to revolutionise manufacturing operations.   The Alliance, formed in September 2018, will now move into the next phase, involving the build out of a physical “digital demonstrator” based in NIBRT’s Dublin facility.   *“Industry 4.0 technologies have the potential to deliver transformative benefits to the biopharma industry. Building on the digital blueprint, the Biopharma 4.0 Alliance will provide a robust proof-of- concept for 4.0 technologies in NIBRT’s pilot plant facilities. In turn, this will support the optimal deployment of these technologies in biopharma manufacturing operations in Ireland and beyond”.*says Killian O’Driscoll, Director of Projects at NIBRT.   As biopharma manufacturing becomes increasingly complex, globalised, and more highly regulated, the sector must improve its operations to increase quality and supply performance, whilst reducing cost to the patient. In other industries (including aerospace, defence, automotive, and FMCG), the deployment of Industry 4.0 (I4.0) technologies has delivered huge benefits to manufacturing performance. However, biopharma is currently significantly behind other advanced manufacturing sectors in its adoption of disruptive technologies.   The demonstrator will cover the latest I4.0 technologies in manufacturing, quality control, quality assurance and cross plant operations. These technologies will be seamlessly integrated with core operating processes to enable proof-of-concept studies on new innovations and new ways of working. Visitors to the centre will be able to experience and learn about these technologies, as well as pilot specific use-cases and co-develop I4.0 solutions with NIBRT & BCG.   “*Takeda Dunboyne Biologics are delighted to be part of this digital demonstrator between NIBRT and BCG. As we build our new state of the art facility in County Meath, this alliance will help us in our Biopharma 4.0 journey to build the right capabilities using augmented reality to aid on demand 24/7 training*”, comments Susan Hynes, VP & Site Lead, Takeda Dunboyne Biologics.   Commenting on the Alliance Paul Sweeney, COO, Daqri, the global leader in Professional Grade  Augmented Reality, says *“We are very excited to be part of this this ground-breaking Alliance, and to collaborate with NIBRT and BCG to explore and showcase applications of our Augmented Reality based, Industry 4.0 tools in the biopharma sector.”*   *“The Biopharma 4.0 alliance is a core part of BCG’s strategy to lead the way in how Industry 4.0 technologies can be applied in biopharma. We believe there is a once in a generation opportunity to create a step change in biopharma manufacturing performance through smarter adoption of disruptive Industry 4.0 technologies,”*says Frank Cordes, BCG Partner and Operations practice lead for Western Europe. *“The Alliance and resulting digital demonstrator provide the platform, capabilities and expertise that our clients require to deliver this.”*  ENDS    *(*Pictured; (left to right), *Aoife Barron (NIBRT), James Morton (BCG), Susan Hynes (Takeda Dunboyne Biologics), Killian O’Driscoll (NIBRT) at the launch of the Biopharma 4.0 Alliance* | | | |
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