



## TU Dublin SDG 9: Industry, Innovation & Infrastructure

The vision for TU Dublin Strategic Intent 2030 is to *‘Create a Better World, Together’*. In developing our TU Dublin strategy, and over the course of our conversations with over 2,500 stakeholders, we viewed the challenges facing us through the lens of the UN Sustainability Goals (SDGs). Some clear areas of focus emerged which resulted in shaping our plan to tackle our task through the following themes - People, Planet, Partnership and underpinned by the key SDG goal of ‘Quality Education’. These pillars inform our approach to educational, research and engagement practices, ensuring that TU Dublin delivers real change, innovation and impact for society.

This is TU Dublin’s third report on how the University has been addressing the SDGs. It includes examples of initiatives, events and project work that are having an impact across the 17 SDGs.

Year	Event
September 2022	TU Dublin Product Design student <a href="#">developed a device with the potential to significantly reduce the incidence of Repetitive Strain Injury</a> (RSI) amongst healthcare professionals.
August 2022	Brothers Eoin Oude Essink and Tadhg-Lorcan Oude Essink have won the prestigious <a href="#">nTopology Responsible Part Challenge 2022</a> and were semi-finalists in the ASME Heat Sink Challenge 2022, representing TU Dublin and Trinity College Dublin, respectively.
July 2022	TU Dublin hosted the <a href="#">12th International Conference on Clinical Spectroscopy</a> in the Central Quad on the University's Grangegorman Campus. SPEC2022 brought together 220 delegates, from academia, industry and the clinical sector, from across 5 continents to discuss the developments in Clinical Infrared and Raman Spectroscopy, and the latest successes in translation to clinical practice to improve patient outcomes.

July 2022	Ireland's leading Knowledge Transfer Office celebrated <a href="#">15 years of innovation at TU Dublin</a> and maximising research capabilities to generate over €200m in revenue. The award-winning Innovation Office is responsible for commercialising intellectual property arising from TU Dublin research, launching 44 spin-outs since 2007, including the hugely successful Kastus®, Micron Agritech and Ocumetra.
July 2022	<a href="#">TU Dublin has partnered with Chadwicks Group</a> , Ireland's leading builders' merchants, to develop Ireland's first Design + Construct Centre. As part of the partnership, Chadwicks Group is donating €250,000 to support the construction of the new state-of-the-art Centre, which will redefine and revolutionise the teaching and learning of Architecture, Engineering and Construction (AEC) in Ireland.
June 2022	Collen Construction, a family-owned business founded in 1810, partnered with TU Dublin to support the <a href="#">development of Design + Construct</a> , a centre of excellence for the Architecture, Engineering and Construction (AEC) sector.
June 2022	Wassenburg Medical Ireland <a href="#">invested in the future of healthcare with TU Dublin</a> . Global healthcare company Wassenburg Medical Ireland has invested €280,000 in a healthcare-driven innovation partnership with TU Dublin to establish a state-of-the-art Medical Device Decontamination facility (MDD-Hub) on the University's flagship campus in Grangegorman.
June 2022	The School of Culinary Arts & Food Technology hosted the return of their <a href="#">food product development showcase</a> this year in their new home in the Central Quad, Grangegorman.
April 2022	TU Dublin has launched a new <a href="#">Virtual Reality (VR) Training programme</a> in conjunction with BioPharmaChem Skillnet. This programme was developed for the Pharma Industry and provides training in the area of Powder Handling for Pharmaceutical Manufacturing.
April 2022	PLOS, the non-profit open access publisher, and IReL, the Irish library consortium of which TU Dublin is a member, announced a <a href="#">new three year open access agreement</a> , which allows researchers at eight participating institutions to publish open access articles in PLOS journals.
March 2022	The new <a href="#">TU Dublin Sustainability Statement</a> was approved by the University in March. SDG 9 forms a key pillar in which the University commits to developing innovative solutions, through action research, to climate change through green technologies using our physical and digital infrastructure as a Living Lab to embed sustainability within our everyday learning and working environment.
January 2022	Minister Simon Harris TD announced Irish Research Council funding for 77 New Foundations projects that will bring researchers and community organisations together to collaborate on projects that will have a tangible impact on societal issues. Among the new research projects that received funding is <a href="#">A Sustainable Agenda for Gender Equality in Tourism and Hospitality: Promoting Entrepreneurial Pathways for Women in Central Vietnam (SAGETH)</a> . TU Dublin's School of Hospitality and Tourism Management team, working closely with Hué University, will undertake an action research project to promote entrepreneurial pathways for women living in Central Vietnam.

Ongoing	TU Dublin's Human Factors in Safety and Sustainability (HFSS) group is a research group within the University that carries out high-impact research on multi-disciplinary, inter-sectorial and international projects, such as <a href="#">CISC (Collaborative Intelligence Scientists for safety critical systems)</a> . CISC is a Marie Curie Training Network funded by the European Commission to hire and train Early-Stage Researchers (ESR) or PhD students as Collaborative Intelligence Scientists with the expertise and skillset necessary to carry-out the major tasks required to develop a Collaborative Intelligence system.
Ongoing	<a href="#">SellSTEM - Spatially Enhanced Learning Linked to STEM</a> - is a Marie Skłodowska-Curie Innovative Training Network to investigate the role of spatial ability in and for STEM learning. The team consists of 15 PhD students, their supervisors from 10 universities in Europe and 8 partners that will host the students on secondment. The project runs from January 2021 for 48 months and is coordinated by TU Dublin.
Ongoing	<a href="#">ivenTUre</a> is TU Dublin's student entrepreneur accelerator programme, encouraging student innovators to <i>explore their entrepreneurial concepts and start their journey of establishing new innovative businesses.</i>
Ongoing	<a href="#">TU Dublin's Incubation and Research Centres</a> are the hub of innovation and technology transfer activities with three exceptional centres available: <ul style="list-style-type: none"> <li>• Hothouse</li> <li>• The LINC</li> <li>• Synergy Centre</li> </ul>