



TU Dublin SDG 9: Industry, Innovation & Infrastructure Progress Report 2021

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 second 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
November 2021	Led by TU Dublin, the Build Digital Alliance has been awarded funding under Project Ireland 2040, to support its plans for digital adoption in the construction sector. The overall aim is for a competitive, dynamic and sustainable construction sector that can deliver new social, economic and climate-resilient infrastructure.
October 2021	Underpinning the University’s plans for the development and growth of the researcher community, TU Dublin was successful in securing awards (Postgraduate Scholarships and Postdoctoral Fellowships) under the Irish Research Council’s flagship Government of Ireland programmes
April 2021	Three Researchers at TU Dublin received funding from the Irish Research Council's New Foundations Scheme . It brings researchers and community/voluntary organisations together to share knowledge and develop new insights to help create a better society for all.
April 2021	TU Dublin Hothouse hosted a number of events showcasing research across the University . The first event had a keynote speakers from the VIRal (Virtual Interactive Research Lab). VIRal specialise in virtual and augmented reality research, innovation, and industry collaboration.

April 2021	TU Dublin celebrated World Intellectual Property (IP) Day with an event highlighting how a strong IP strategy can help build competitive and resilient SMEs and help bolster Ireland's reputation as a Global Innovation Leader.
April 2021	TU Dublin, Evercam Limited and GagaMuller Technology Limited have received €2 million from the Disruptive Technologies Innovation Fund (DTIF) for a joint initiative to develop the A-EYE Construction Visualisation Platform . This is a control tower that provides full visibility of large construction sites and enables visual communication to deliver measurable productivity improvements and improve health, safety, and sustainability.
March 2021	TU Dublin is coordinating an international research project which aims to enhance the spatial ability of young people and to help close the gender gap in STEM. The multi-agency project, Spatially Enhanced Learning Linked to STEM (SelSTEM) , was awarded €4.12M in funding from the Marie Skłodowska Curie Innovative Training Network under Horizon 2020, an EU 2020 flagship initiative aimed at securing Europe's global competitiveness.
Ongoing	In targeting the SDG9 goal of ' <i>Building resilient infrastructure, promoting inclusive and sustainable industrialization and fostering innovation</i> ', TU Dublin established the MEoS project , an initiative funded under Horizon 2020, to increase the knowledge and skills of at least 1800 engineers, architects and building managers in sustainable and 'Nearly Zero Energy Building' (NZEB) design and construction. The University's School of Architecture also runs a series of programmes to underpin the construction sector's knowledge, skills and capabilities in developing sustainable infrastructure and in building performance .
Ongoing	I-Cubed is an annual student start up award hosted by TU Dublin that encourages the development of new manufacturing and knowledge intensive businesses. Judged by a panel of industry expert professionals TU Dublin provides a €5,000 prize winnings with one-on-one mentorship and workshop office space in the TU Dublin Greenway Hub.
Ongoing	ivenTUre is TU Dublin's student entrepreneur accelerator, encouraging student innovators to explore their entrepreneurial concepts and start their journey of establishing new innovative businesses
Ongoing	TU Dublin's Incubation and Research Centres are the hub of innovation and technology transfer activities with three exceptional centres available: <ul style="list-style-type: none"> • Hothouse • The LINC • Synergy Centre
Ongoing	TU Dublin Institute For Minority Entrepreneurship was established to offer different minority groups in Ireland equal opportunity through entrepreneurship education and training.