



# 2024 Sustainability Report SDG-9

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Boğaziçi University



SUSTAINABLE DEVELOPMENT GOALS



9 INDUSTRY, INNOVATION AND INFRASTRUCTURE



## FUND PROJECTS THAT PROVIDE BASIC INFRASTRUCTURE.

Roads, water, sanitation and electricity remain scarce in many developing countries.

# SDG9: Industry, Innovation, and Infrastructure

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## Building Resilient Infrastructure, Promoting Inclusive and Sustainable Industrialisation and Supporting Innovation

Boğaziçi University maintains its commitment to developing resilient infrastructures, promoting inclusive and sustainable industrialisation and supporting innovation in line with Sustainable Development Goal 9 (SDG-9). In the face of serious impacts on global production and value chains, the university has focused on innovation and entrepreneurship by adopting sustainable development goals.

### Boğaziçi University Technology Transfer Office (TTO)



Boğaziçi University Technology Transfer Office (TTO) is a strategic unit that aims to create economic value by transferring the knowledge and technology production of the university to the industry and to ensure that this value returns to the university. TTO was established in December 2012 and actively works to realise innovative ideas, increase opportunities for collaboration with industry and develop the entrepreneurship ecosystem.

### Technology Transfer and Collaboration Development

- To ensure the transfer of university patents, technologies and research results to industry.
- To carry out joint research projects with industry and to create cooperation opportunities.
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### Intellectual Property Management

- To support patent applications for the protection of inventions derived from academic research.
- Providing guidance in the management of intellectual property rights and licensing processes.

### Project Management and Funding Support

- Providing national and international funding sources for research projects.
- To provide consultancy and support to academicians in project management processes.

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### Building Resilient Infrastructure, Promoting Inclusive and Sustainable Industrialisation and Supporting Innovation

#### Entrepreneurship and Innovation

- Supporting innovative entrepreneurship projects and contributing to the development of the start-up ecosystem.
- Organising trainings, seminars and business networking events for entrepreneurs and academics.

#### Training and Capacity Building

- To organise training programmes on technology transfer, project management, intellectual property and entrepreneurship for academics and students.
- To promote the culture of innovation and entrepreneurship within the university.

### Boğaziçi University and Fundbulucu Launch Collaboration to Support Biotechnology Initiatives

Boğaziçi University and crowdfunding platform Fonbulucu have launched a comprehensive cooperation to support innovative initiatives in the fields of biotechnology and health technology. This collaboration aims to facilitate access to financing and increase the commercial potential of early-stage startups in the university's Deep Technology Base. The agreement was signed at a ceremony held on 9 May 2023 at Boğaziçi University South Campus.



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### Derin Technology Base and Support for Startups

This cooperation, which will be carried out under the coordination of Boğaziçi University Technology Transfer Office (TTO), primarily covers early-stage startups operating in the Derin Technology Base located in the Science Technology Building of Kandilli Campus. With the inclusion of health and biotechnology-focused initiatives in pre-incubation, incubation and accelerator programmes, these initiatives will have access to the resources offered by Fonbulucu. At the same time, investment support, financing solutions and training opportunities will be offered to startups.

The support provided to entrepreneurs through Fonbulucu's subsidiary companies and investment funds will make a significant contribution to the university's entrepreneurship ecosystem. Within the scope of the cooperation, it is also planned to create an investor pool and manage this pool.

### Rector Prof. Dr. Mehmet Naci İnci: 'We Offer New Opportunities in Health and Biotechnology'

In his speech at the ceremony, Boğaziçi University Rector Prof. Dr. Mehmet Naci İnci stated that this collaboration offers an important opportunity for entrepreneurs. Prof. Dr. İnci said, 'With this collaboration, we offer new generation tools to support the initiatives of our students, graduates and faculty members in the fields of biotechnology and health technology. We aim to create value for our country and the world by combining the intellectual accumulation of our university with the expertise of Fonbulucu.'

### Hakan Yıldız, CEO of Fonbulucu: 'We Will Launch New Unicorns'

Hakan Yıldız, CEO of Fonbulucu, stated that they will facilitate access to financing for startups in difficult-to-scale areas such as biotechnology and health technology. Yıldız said, 'With this cooperation, we will create an investor pool with thousands of investors and offer fast and secure solutions to startups. We believe that Boğaziçi University initiatives will create new unicorns with this support.'

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### Scope of Cooperation and Future Plans

Within the scope of the cooperation, the existing facilities of Fonbulucu and its subsidiary companies will be made available to Boğaziçi University initiatives. In addition, if the university aims to establish a venture capital investment fund, the parties will provide the necessary support.

### Participants

The ceremony was attended by Prof. Dr. Gürkan Kumbaroğlu, Vice Rector of Boğaziçi University, Volkan Özgüz, General Manager of TTO, Dr. Yalçın Koçak, Chairman of the Board of Fonbulucu, and representatives of other stakeholders involved in the collaboration.

This cooperation will not only strengthen the leading role of Boğaziçi University in the fields of innovation and entrepreneurship, but will also contribute to the entrepreneurship ecosystem in our country.

### Entrepreneurship Support for Boğaziçi Students with Bright Young Enterprise Programme

Organised in cooperation with Boğaziçi University Technopark and Entrepreneurship Application and Research Centre, 'Bright Young Initiative Programme' creates an important platform to support the innovative initiatives of Boğaziçi University students. Held on 26 November 2024 at Boğaziçi Teknopark Kandilli Campus, the "Bright Young Initiative Programme Demo Day " event attracted great interest in terms of exhibiting and rewarding students' innovative ideas.

### Awards and Support for Students' Innovative Projects

Within the scope of the event, 10 entrepreneurs developing projects in different fields such as gaming, health technologies, software and artificial intelligence presented their projects to a distinguished jury. As a result of the jury evaluation, four initiatives received financial support, while all participants were entitled to benefit from the infrastructure and mentoring services of Boğaziçi University Technopark Incubation Centre.

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### The winning projects include:

- GLYDE Games: Received the first prize with their game project.
- Innorare: Received the second prize with its clean intermittent catheterisation (CIC) catheter initiative.
- Pura: Won the third prize with its reusable hybrid rocket system project for space exploration.
- Navibu: Received the jury's special award with its innovative navigation system supported by artificial intelligence.



While a total of 350 thousand TL financial support was provided to the winning projects, all participants had the opportunity to benefit from the incubation services of Boğaziçi Technopark.

### Remarks by Dr Cem Duran, General Manager of Boğaziçi University Technopark

Delivering the opening speech of the event, Boğaziçi University Technopark General Manager Dr Cem Duran drew attention to the importance of the support provided to reveal the entrepreneurial potential of students. Dr Duran made the following statements:

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Boğaziçi University produces internationally acclaimed projects in areas such as gaming, health technologies, software and artificial intelligence. With the Bright Young Enterprise Programme, we aim to contribute to the global success stories of our students by providing comprehensive support to their innovative projects.'

#### Aim of Bright Young Enterprise Programme

The programme aims to support students to transform their innovative ideas into commercial value and join the entrepreneurship ecosystem. In this context, entrepreneurs:

- Financial support,
- Infrastructure and laboratory services,
- Mentoring support is provided.

#### Boğaziçi University's Role in the Entrepreneurship Ecosystem

Bright Young Initiative Programme has once again demonstrated the leading position of Boğaziçi University in the field of entrepreneurship. The University continues to contribute to the realisation of innovative projects at both national and international level by increasing the entrepreneurship potential. The projects supported under the programme add value not only to the career development of students, but also to the entrepreneurship ecosystem of the country.



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#### Great Support for Biotechnology Initiatives from Boğaziçi University and Teknopark Istanbul: Biocube Incubation Centre

Biocube Incubation Centre, which was established in cooperation with Boğaziçi University and Teknopark Istanbul to support entrepreneurs working in the fields of biotechnology, pharmaceuticals and medical devices, is preparing for its official opening. This centre, which is the first of its kind in Turkey and was established with a total investment of more than 50 million TL, aims to support 40 startups per year.



#### Advanced Technology Infrastructure and Modern Facilities

Established on the third floor of Teknopark Istanbul's Incubation Centre on a total area of 1,500 square metres, Biyoküp offers a world-class infrastructure for entrepreneurs with 12 laboratories, 8 GMP-compliant clean rooms and open office areas. In addition to chemical cabinets, fume hoods and safety cabinets specially designed for entrepreneurs, common laboratories also include basic equipment such as centrifuges, autoclaves, incubators and ultrapure water devices.

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### Strong Collaborations and Sustainable Support Mechanisms

The project is led by Boğaziçi University Life Sciences and Technologies Application and Research Centre (Boğaziçi LifeSci), coordinated by the Ministry of Industry and Technology and supported by the IPA funds of the European Union, with the contributions of important institutions such as Istanbul Health Industry Cluster (ISEK) and Istanbul Development Agency (İSTKA). The Centre aims to provide entrepreneurs with technical support and mentoring services as well as infrastructure use.

### Strategic Objectives

#### Biocube Incubation Centre in the field of health and biotechnology:

- Development and commercialisation of sustainable products with high added value,
- To provide Turkey's health entrepreneurship ecosystem with a world-class infrastructure,
- It aims to offer entrepreneurs the opportunity to realise their bold projects.

Boğaziçi LifeSci Industrial Projects Coordinator and ISEK Coordinator Prof. Dr. Cengizhan Öztürk stated that this centre will fill an important gap in the field of life sciences, which is among Turkey's strategic priorities, and said, 'Biocube will enable the rapid development of vital products for our country and bring them to the economy.'

### Invitation to Applications

Boğaziçi University and Teknopark Istanbul invite entrepreneurial companies and scientists working in the field of biotechnology, pharmaceuticals and medical devices to apply for the Biocube Support Programme. Bringing together the infrastructure and support services needed by the entrepreneurship ecosystem, Biyoküp offers a great opportunity to realise the health initiatives of the future. Biyoküp Incubation Centre aims to increase Turkey's global competitiveness in the field of biotechnology with its structure that encourages innovation and entrepreneurship.

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### Boğaziçi University Technopark: The Centre of Advanced Technology and Innovation

Boğaziçi Technopark was established in 2010 with the aim of becoming the pioneer of advanced technology and innovation with the deep-rooted history and strong infrastructure of Boğaziçi University. For 14 years, Teknopark has been operating at Boğaziçi University North Campus and continues to grow by expanding its area in 2023. In the next two years, a new 30,000 m<sup>2</sup> Technopark building will be added to the university. In addition, with the announcement of a new area of 47,000 m<sup>2</sup> in Kandilli Campus, work is continuing rapidly to create a Technopark area of 120,000 m<sup>2</sup> in total.

### YENİ KATILACAK FİRMALARA ÖZEL AVANTAJLAR İLE BOĞAZIÇI TEKNOPARK DÜNYASI

15 m<sup>2</sup>'den  
500 m<sup>2</sup>'ye  
Kadar  
Farklı Ofis  
Seçenekleri

- Boğaziçi Üniversitesi Akademisyenleri ile İş Birliği Fırsatı
- Boğaziçi Üniversitesi Öğrencileri ile İş Birliği Fırsatı
- Boğaziçi Üniversitesi Ar-Ge, Laboratuvar Altyapısına Ulaşım
- Teknoloji Transfer Ofisi ile İş Birliği Fırsatı
- Yaşam Bilimleri ve Teknolojileri Uygulama ve Araştırma Merkezi Altyapısına Ulaşım
- Kuluçka Merkezi Girişimci Havuzuna Ulaşım

Bilgi İçin



### Vision and Targets

Boğaziçi Technopark aims to lead sustainable economic development at national and international level by supporting advanced technology-oriented studies. With the strong infrastructure and facilities provided by Boğaziçi University, Teknopark continues to support R&D companies and entrepreneurs, contributing to their success and encouraging technological innovations.

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### Services

Boğaziçi Technopark offers the following services to entrepreneurs and R&D companies:

- R&D and Laboratory Infrastructure: Technology development support for companies with advanced laboratory facilities and research facilities.
- Advanced Technology and Innovation: Innovative solutions and innovation-oriented services in technology development processes.
- Quality, Ethics and Sustainability: Projects that support sustainable development by considering ethical values in technological solutions.
- Entrepreneurship Support and Technology Transfer: Mentoring, investment support and university-industry co-operation opportunities for entrepreneurs.

### New Steps in Technological Development

Boğaziçi Technopark continues to be an important centre in the entrepreneurship and technology development ecosystem with its expanding areas and strong infrastructure. With its new technopark buildings and advanced technology-oriented services, it will continue to contribute to technological innovations both regionally and globally.

With the vision and leadership of Boğaziçi University, Technopark continues to be an ideal centre for entrepreneurs and companies that will shape the technologies of the future.



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### Strong Support for Technology and Innovation Oriented Initiatives with DREAM BIGG

DREAM BIGG Programme, run by Boğaziçi University Technology Transfer Office (TTO), supports technology and innovation-oriented business ideas within the framework of TÜBİTAK 1812 Investment-Based Entrepreneurship Support Programme (TÜBİTAK BIGG Fund), enabling entrepreneurs to transform into globally competitive, innovative and sustainable companies. The programme had a strong impact on the entrepreneurship ecosystem, enabling investments of over 1,134,000 TL between 2020 and 2023.



### DREAM BIGG: Contribution to the Entrepreneurship Ecosystem

Developed by TÜBİTAK and aiming to encourage qualified entrepreneurship, DREAM BIGG stands by entrepreneurs from the idea stage to the market. Within the scope of the programme, entrepreneurs turn into successful start-up companies by benefiting from opportunities such as validating their business ideas, receiving mentorship, creating a business plan and meeting with investors.

#### Opportunities Offered by the Programme

- **Expert Mentors:** In the 6-week acceleration programme, entrepreneurs have the opportunity to develop their ideas with expert mentors.
- **Competent Trainings:** During the programme, trainings are provided on topics such as design thinking, project management, marketing strategies and intellectual property rights.

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- Intellectual Property Protection: Entrepreneurs' business ideas are secured with blockchain technology.
- Entrepreneur Friendly Investors: Entrepreneurs come together with suitable investors through Dream BIGG's collaboration network.
- Boğaziçi Business and Alumni Network: Participants benefit from access to Boğaziçi University's extensive business and alumni network.

### New Success Stories in the Entrepreneurship Ecosystem

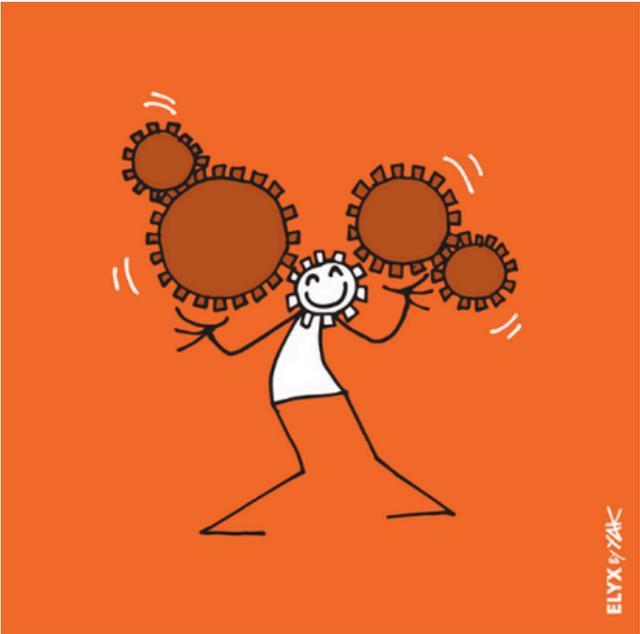
Volkan Özgüz, General Manager of Boğaziçi University TTO, stated that they are proud of the contributions of DREAM BIGG to the entrepreneurship ecosystem and said, 'Thanks to our programme, we not only provide financial support to technology and innovation-oriented initiatives, but also offer a strong platform where entrepreneurs can realise their visions.'

### Investing in the Future with DREAM BIGG

DREAM BIGG aims to contribute to both the entrepreneurship ecosystem and the national economy by commercialising technology and innovation-oriented business ideas. The programme offers entrepreneurs not only financial support but also a unique support network in terms of information, connections and strategy.

### For more information about DREAM BIGG:

<https://bogazicibigg.com/>



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To build resilient infrastructure, promote inclusive and sustainable industrialization, and foster innovation

