A'DESIGN AWARD & COMPETITION

Petr Franta ETFE Membrane Facade Double Skin Solar Collector

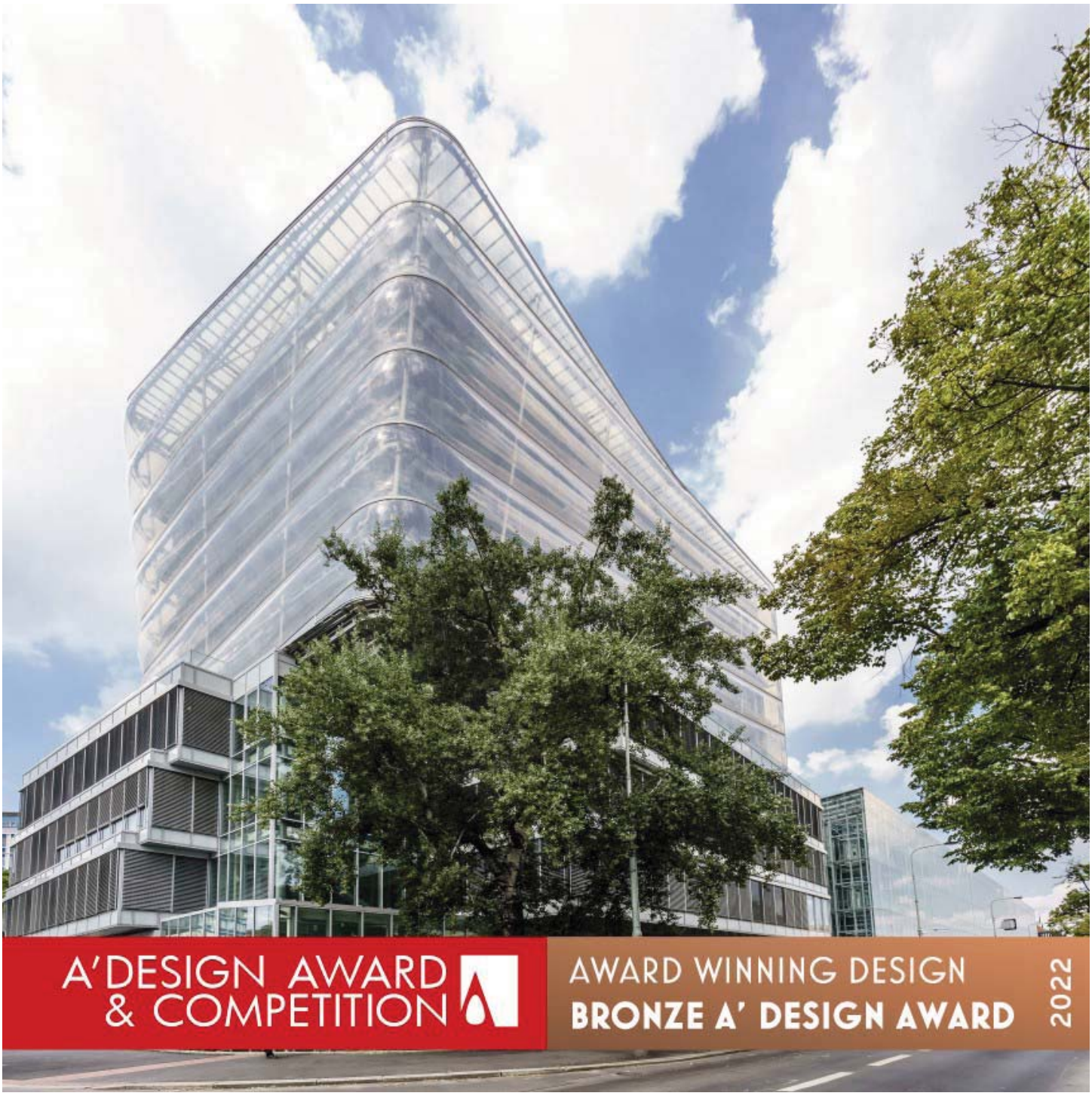
ETFE Membrane Facade Double Skin Solar Collector is Bronze Design Award winner in 2021 - 2022 Architecture, Building and Structure Design Award Category.

ETFE Membrane Facade Double Skin Solar Collector

Wrapping the structure in transparent membrane serves to reduce the energy consumption and featuring self cleaning facade lends the building an unmistakeable identity. Multidisciplinary, integrated planning approach by architects, engineers, scientists and manufacturers using outer membrane diagonal cushions in a double skin assembly to reduce energy consumption. High-tech design features unique facade for a new building of Czech Institute of Informatics, Robotics and Cybernetics as a contemporary teaching facility for a new generation of scientific research teams.

A'DESIGN AWARD
& COMPETITION

DESIGN DETAILS




A'DESIGN AWARD
& COMPETITION


A'DESIGN AWARD
& COMPETITION

A'DESIGN AWARD
& COMPETITION

A'DESIGN AWARD
& COMPETITION

A'DESIGN AWARD & COMPETITION

Petr Franta

Award and competition winning architect, urban planner, team player for colleagues and clients. Thinking about environmental issues, energy saving design. Collaborating with top level engineers and landscape designers, curators and artists. Scale of project is not important, important is what it brings to environment, people and nature. Excellent sustainable design defines bright future of mankind.

DESIGNER PROFILE

Ctu

CIIRC is teaching facility and scientist institute on CTU Czech Technical University campus. One of the main objectives of the CIIRC is to integrate information and cybernetic research and education, building on the links to the out-of-city centers as well as on strong links with international research centers. It creates research and pedagogical workplace in scientific atmosphere, pleasant conditions for work and brings results at the world's top research level. A very significant part of the cooperation is with the Academy of Sciences of the Czech Republic, with the industry and similarly oriented foreign institutions. One of the key tasks is not only to link research results with university teaching, to attract students from the master's and doctoral study programs to research, but also to comply with the needs of industrial and clinical practice. CIIRC represents a place of interdisciplinary cooperation which is natural for informatics, robotics and cybernetics. It opens the gates and greatly supports the transfer of know-how towards industry or other practices and, above all, leads its staff. Its fields of interest are, for example, automatic control and optimization, robotics, artificial intelligence, computer graphics, computer vision and machine learning, designing software systems, designing decision and diagnostic systems and their applications in medicine, energy transport, including smart homes and smart cities. CIIRC has 350 employees, researchers and PhD students.

CORPORATE PROFILE