



NON-PROFIT LIMITED LIABILITY COMPANY FOR
QUALITY CONTROL AND INNOVATION IN BUILDING

QUALITY CAN BE MEASURED

QUALITY | SAFETY | EFFICIENCY

Established in 1963.





INNOVATION

ENGINEERING

TECHNICAL

EXPERTISE

SUPPORT

COMPETENCE

QUALITY

HIGH TECHNOLOGY

TECHNOLOGY

VEMI

INTERNATIONAL

ENERGY EFFICIENCY

SUSTAINABILITY

RESEARCH

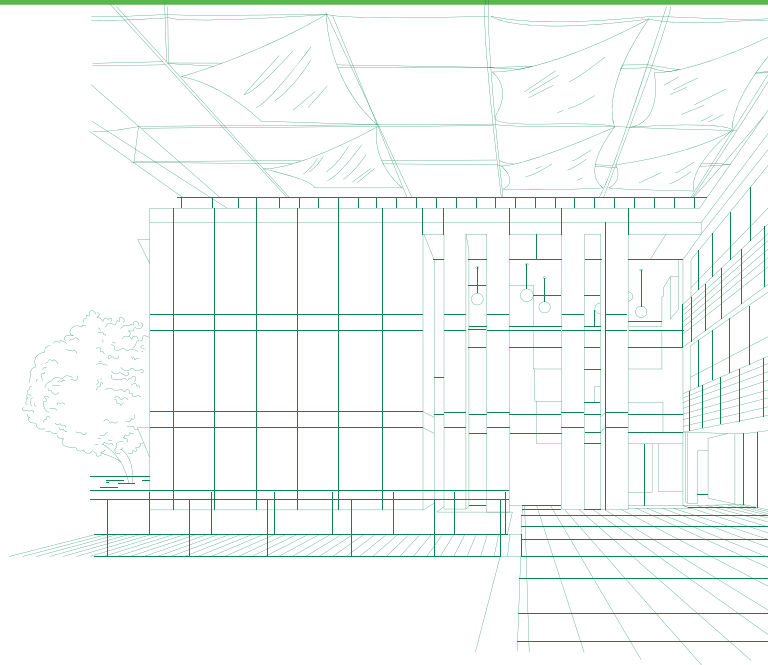
DEVELOPMENT

PARTNERSHIP

EDUCATION

QUALITY, INNOVATION, EXPERTISE

ÉMI's predecessor, the Construction Quality Inspection Institute, was established in 1963. **Today in Hungary, ÉMI is the largest quality control and innovation institution for building material industry and building sector**, a relevant actor in the Hungarian construction industry and a professional intellectual center.



ÉMI'S DIVERSE ACTIVITIES



engineering expertise,
laboratory tests



quality control



complex building
diagnostic services



conformity
assessment



research,
development and
innovation



nuclear facilities
expertise



complete implementation
of priority investments,
technical and design
inspection



supporting
the work of building
inspection



market-oriented
national and
international projects



implementing and
supporting tasks
of tenders in the
construction sector



technical regulation,
preparation of
directives



promoting cooperation
within the industry



awareness-raising
about energy
efficiency and sustainability



organizing
professional
events



knowledge
transfer

EXPERTISE AND QUALITY ANYWHERE IN THE COUNTRY

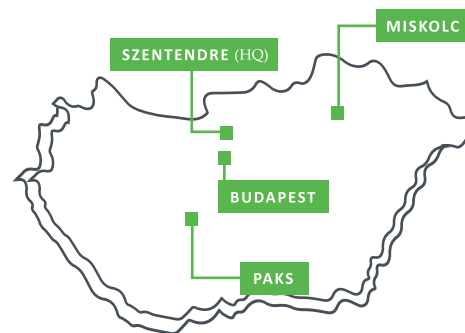
As the largest complex testing base for various construction tasks in Hungary, we perform **more than 1,000 types of tests - 700 of which are accredited.**

Our **Central Material and Structure Testing Laboratory and Fire Protection Testing Laboratory** (renewed in 2018) are suitable for executing a wide range of laboratory and on-site inspection tasks related to the construction industry.

Due to our **sixty years of experience** in various fields of construction (loadbearing structures, building physics, fire protection, chemistry, building engineering, mechanics) and our **trained, competent professionals**, we provide high-quality services.

Building and construction material industry approval, on-site and laboratory testing, inspections, technical expertise research and innovation are part of our daily work.

As an independent professional institute, we guarantee with the up-to-date diagnostic instrumentation that the construction products and technologies meet the current legal and quality assurance requirements of Hungary and the European Union.



CONFORMITY ASSESSMENT ACTIVITIES

In our Conformity Assessment Center, **we perform the technical assessment and certification activities** required for the distribution and installation of construction products. The performance certification of construction products is carried over the borders of Hungary as a Notified body (Notified body number: 1415) in accordance with the requirements of the Construction Product Regulation.



**TECHNICAL ASSESSMENT
AND CERTIFICATION
ACTIVITIES**



COMPLETE IMPLEMENTATION OF LARGE INVESTMENTS, TECHNICAL AND DESIGN INSPECTION

With sixty years of professional experience, with our experts and a wide range of laboratory background, we achieve the implementation, design inspection and technical inspection of priority investments, supporting the customers in high-quality constructions.

We are presents large investments, such as the Károlyi-Csekonic Palace; the Teleki-Tisza Castle in Nagykovácsi. We are involved as experts in the most significant large investments in Hungary including the Buda Castle and other relevant historic monuments.



RESEARCH-DEVELOPMENT- INNOVATION AND INTERNATIONAL PRESENCE, SPONSORSHIP PROGRAMMES

We focus our research support and R&D activities specifically on **market-oriented research and development**, in particular on projects implemented in cooperation with academia, research and testing institutes, as well as industry partners. ÉMI also participates in national research, technical development and educational programs for the development of architectural culture. As a member of the **Bay Zoltán** National Applied Research Institute **Network**, we also conduct mentoring in construction research development.

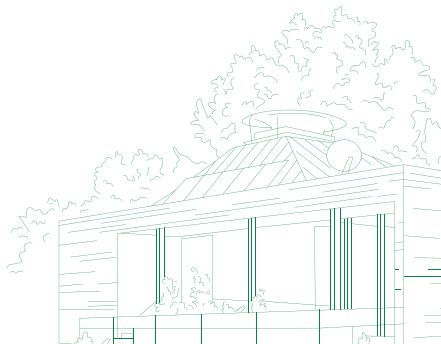
As a consortium partner of international institutes, we are engaged in research and development projects at international level. We are also actively involved in the EU's international funding programs, in particular the **Horizon Research Framework Program**.



Representing national sectoral interests, our company actively participates in the work of many international professional organizations and innovation networks. Based on the agreement with the Covenant of Mayors for Climate & Energy (CoM), **we support local and county governments in the strategy-making processes of sustainable urban development** as a **“Country Coordinator”**.

ÉMI has successfully organized the Solar Decathlon Europe 2019 international university competition in housebuilding. Furthermore the **ÉMI National Prototype Park** is planned to be opened in 2024, supplemented by prototypes presenting modern building elements available on the domestic market and with information and event hall. The main target audience of the Visitor Center presenting modern technologies will be residential investors planning to renovate or build, but the park will also be a central showcase for Hungarian professional events and innovative construction solutions.

Our company plays a significant role in fulfilling the tasks of **organizing and supporting tenders** related to the development of the construction sector.



INTERNATIONAL MEMBERSHIPS

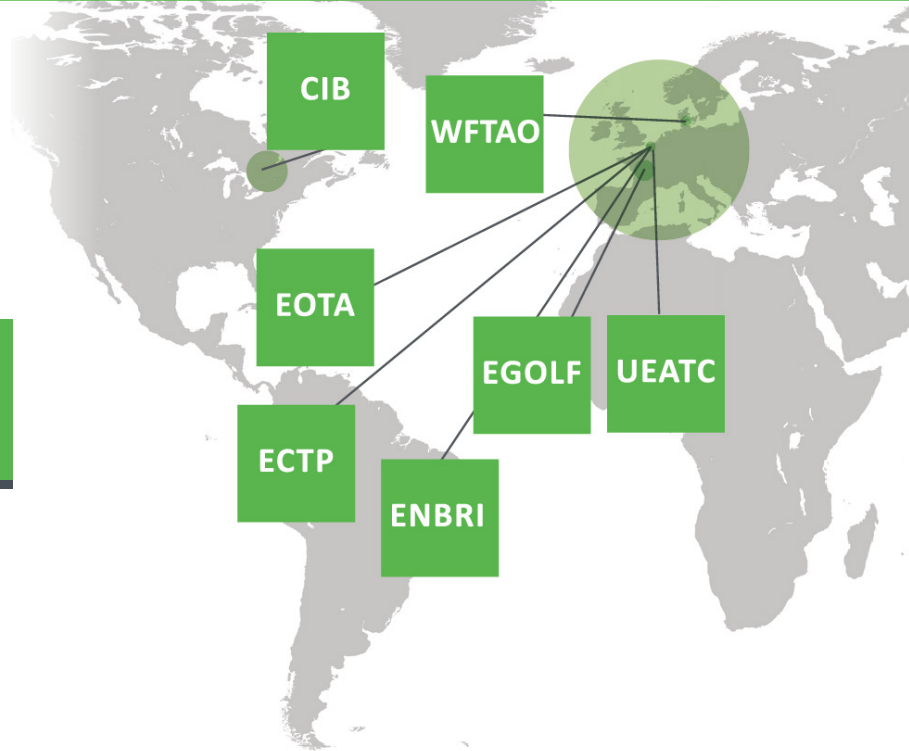


Our company is a member of many European and international organizations such as EOTA, Egolf, ENBRI, WFTAO, CIB, ECTP, or UEAtc. ÉMI is the national coordinator of the Covenant of Mayors Climate and Energy Program.

*ÉMI IS COMMITTED TO QUALITY,
INNOVATION AND SUSTAINABILITY.*



We believe that this pursuit will build a quality future. A built environment that is timeless, sustainable and livable. ÉMI wishes to support this with its activities.



INTERNATIONAL COOPERATION



OUR CURRENT, MOST REMARKABLE INTERNATIONAL PROJECTS



MiniStor

The consortia works on a minimal size energy storage system proving sustainable heating, cooling and electricity to be tested at 5 demonstraion sites.

More details at ministor.eu



BUS-GoCircular

The aim of the project is the further training of skilled workers dealing with green energy and to develop a qualification system focusing on multifunctional green roofs, facades and interior elements.

More details at busgocircular.eu



Metabuilding Labs

The project creates a network of 13 countries building up harmonized testing facilities in oder to deliberate the innovation potential of the SMEs in the building industry.

More details at metabuilding-labs.eu



POCITYF

This smart city project helps 2 historical lighthouse cities and 6 follower cities to become greener, smarter and more livable while respecting their built cultural heritage and by testing Positive Energy Districts.

More details at pocityf.eu

OUR CURRENT, MOST REMARKABLE INTERNATIONAL PROJECTS



EPBD 6

The Concerted Action project enables the implementation of the Energy Performance of Buildings Directive in the EU member states.

More details at epbd-ca.eu



Nebula

The project will build on Built4People (B4P) partnership which develops and connects national or regional Innovation Clusters and the New European Bauhaus initiative to activate a network of B4P Innovation Clusters.

More details at cordis.europa.eu/project/id/101079859



Constructskills4life

Based on the previous BUILD UP Skills projects the CS4L aims to discuss and analyse the training possibilities of the skilled workforce within the construction industry by developing an updated Status Quo Analysis and a National Roadmap.

More details at constructskills4life.eu



CapaCities

The aim of the project is to establish a transnational alliance and encouraging communication between the authorities and the EU in order to support the green transition of the 100 selected European Cities

More details at dutupartnership.eu/capacities

TECHNICAL REGULATIONS, TECHNICAL DIRECTIVES FOR CONSTRUCTION

ÉMI also has a key position in the field of building regulations. Our experts express opinion on the construction legislation and-, if necessary, propose amendments. We participate in the work of the 56 Technical Committees of the Hungarian Standards Institution, holding five positions as chairman. In the committees, our experts participate in the development of new construction standards and the review of existing ones.

We monitor changes in domestic and other European standards and take part in the editing of related publications.

Our company performs the coordination tasks of the Technical Regulation Committee in the building sector, thus managing the entire preparation process of **Technical Directives for Construction**.



Within this framework, we make proposals on topics, prepare drafts in the areas of our professional competence, participate in the review of documents written by invited experts, ensure the professional publicity and the availability of the completed directives.

By our activities in the field of technical regulation, **we act as a bridge** between state regulation and stakeholders.

PROFESSIONAL EVENTS, TRAINING, KNOWLEDGE TRANSFER

In cooperation with professional construction organizations, higher education research centers, vocational training centers in Hungary and with relevant international organizations, we provide **knowledge transfer** by our employees with extensive experience and expertise in the framework of joint projects.

Moreover we organize conferences for construction professionals, and we publish the relevant information for single-family house construction on a public information portal.



ÉMI CONSTRUCTION TESTING LABORATORY (ÉMILAB)

The logo consists of the letters 'ÉMI' in a bold, sans-serif font, with a stylized checkmark integrated into the letter 'E'. The logo is mounted on a building with a green, vertically-slatted facade.

QUALITY CAN BE MEASURED

In Hungary ÉMI Non-profit LLC has the largest testing laboratory for construction providing complex services. Our testing activities- more than 700 accredited test procedures- are carried out by our ÉMI Construction Testing Laboratory accredited according to MSZ EN ISO/IEC 17025: 2018 and located in one of the most modern branch laboratory buildings in the country in our Industrial and Innovation Park in Szentendre since spring 2018.

***ÉMI OFFERS ITS SERVICES
WITH A WIDE RANGE OF
ENGINEERING KNOWLEDGE
AND EXPERIENCE IN THE
FIELD OF LABORATORY AND
ON-SITE INSPECTIONS.***



The staff of the ÉMI Construction Testing Laboratory performs thousands of tests and type tests every year, as well as around 100 tests related to ETA, NMÉ, ATB and certification. In addition, they cooperate in ÉMI's research and development projects, work on tasks related to nuclear expertise, perform technical inspections of government offices, carry out design inspections, and participate in the technical directive program, and provide information to construction professionals at conferences and exhibitions.

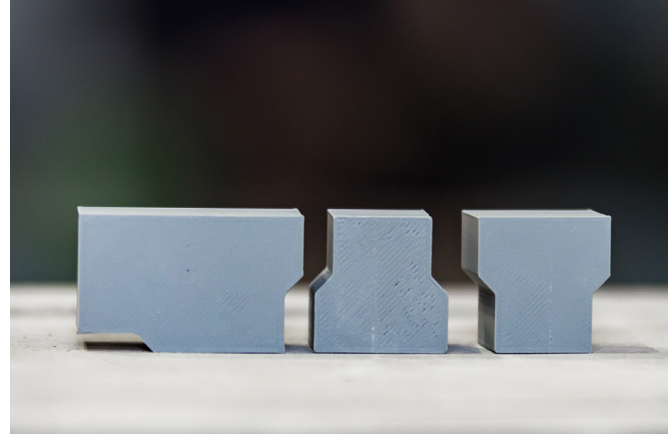
The quality of the tests is guaranteed by our trained and experienced experts, engineers, working with up-to-date laboratory instrumentation and operating a multi-level external and internal control system (NAH-1-1110-2018).

The testing laboratory of ÉMI Non-profit LLC has been registered in the European Union as a designated, notified testing organization (Notified Body: 1415). The Fire Testing Laboratory is a member of the European EGOLF.



ÉMI NON-PROFIT LLC PERFORMS TESTING ACTIVITIES IN THE FOLLOWING CASES:

- based on product testing order
- initial type test performed in the framework of the examination of the constancy of performance of a construction product as a designated and notified test organization
- technical assessment of a construction product as a Technical Assessment Body (TAB) designated for the purpose of issuing or maintaining National Technical Assessment or European Technical Assessment
- determining fire protection and fire resistance characteristics related to the issuance of a Fire Conformity Certificate
- as part of expertise activities
- in the context of expertise related to nuclear facilities
- in the framework of issuing application certificate of construction product
- for internal or external assignments as part of a research activity
- in the framework of testing and expertise activities of building control
- On-site inspections, building diagnostics



Conformity Assessment Center

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**Central Material and Structure Testing Laboratory and Fire
Protection Testing Laboratory, as well as the Knowledge Center**

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**HIGHER EDUCATION AND INDUSTRY COOPERATION CENTER
(FIEK) - MISKOLC-EGYETEMVÁROS**

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ÉMI NATIONAL PROTOTYPE PARK

Information on cooperation opportunities:

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www.emi.hu

