

Memorandum of Understanding

Between:

- The European Network of Construction Companies for Research and Development (**ENCORD**), founded in 1989, is a network of active members from the construction industry, represented by decision-makers and executives working on research, development and innovation (R&D&I) and providing service to experts and the operational sides within the member companies. ENCORD has 20 members with head offices in 13 European countries and operations worldwide. All members are major European contractors and/or suppliers of construction material and are strongly devoted to R&D&I for increased competitiveness and growth. ENCORD is the European forum for industry-led research, development and innovation in the construction sector.

and

- The European Construction Technology Platform (**ECTP**) gathers around 150 member-organizations from the Construction sector and other sectors from the whole supply chain of the Built Environment (Buildings, Transport infrastructures, networks, etc.). The Built Environment is a place of tightly interconnected private & public infrastructure. Its composition and dynamic are very complex, since it offers and is associated to a lot of various services which support our day-to-day life. The Built Environment serves a lot of industries and services (transport, energy, cities...). It impacts therefore the performance of many sectors. The Built Environment is also our major living environment; this is the place (homes, offices, transport infrastructures, cultural places, etc.) where we spent more than 80% of our time. The quality of the Built Environment therefore directly impacts the quality of our life. Last but not least, paramount challenges such as energy, climate change, efficiency, safety and more generally sustainability prove to become of utmost importance for the Built Environment and very often need to be tackled within an integrated approach. The main mission of ECTP and its committees is to develop new R&D&I strategies to improve competitiveness, meet societal needs & take up environmental challenges through an Innovative Built Environment.

1. Aims of MoU

Having similar aims and objectives regarding the effort to increase innovation in European construction (buildings & infrastructures) industries; to improve the quality, comfort and efficiency of buildings and infrastructures and to protect the environment and improve quality of life, ENCORD and ECTP want to formalise the basis for their cooperation by establishing a MoU between the two organisations. Thanks to the closer cooperation between academia and industry fostered by the MoU, both organisations and their respective members will work towards a smooth progression of solutions and systems and their respective Technology Readiness Levels and will benefit considerably in return from it.



2. Scope of MoU

The scope of this MoU shall cover the following areas of common interest.

1. Raising the profile of buildings, networks and transport infrastructures (and in particular all concerns and needs in relationships to R&D&I in these fields) towards key stakeholder bodies such as, but not limited to, the European Commission, the European Parliament, the European Council and other institutions, the Member States, and non-governmental associations.
2. Developing R&D&I projects of mutual interest to ENCORD and ECTP members, in particular in the fields of Digitalisation (BIM, digital twins, IoT, etc.) and Industrialisation (3D printing and additive manufacturing, robotics/cobotics, etc.) of the sector.
3. Sharing knowledge and promoting innovation in the field of buildings, transport infrastructure and build environment.

3. Mechanisms for cooperation

• Liaison & Communication (intra, broadcast)

- The general mechanism for regular communication shall be through the Secretary-General of ENCORD and the Secretary-General of ECTP together with the Chair of ECTP Committees (EeB, Infrastructure & Mobility) and Chair of ENCORD working groups.
- Specific meetings / workshops shall be established in an ad-hoc way and form for research or strategic cooperation, either on joint roadmapping activities, or the elaboration of strategic position for the construction sector.
- As appropriate ENCORD and ECTP may from time-to-time coordinate on relevant meetings with other bodies.
 - Organizing joint events for promoting knowledge, dissemination of results and build up effective communication with all relevant stakeholders;
 - Setting up task forces to address interrelated issues and tasks;
 - Identifying commonalities in R&D&I roadmaps and implementation plans;
 - Promoting joint recommendations to relevant European Commission bodies and other European bodies;
 - Stimulating common projects that can enrich solutions of common interest.

• Knowledge sharing

ENCORD and ECTP will exchange, on a regular basis, their respective positions about key topics and research priorities, and will possibly develop common positions, and possibly support each other positions. Knowledge sharing is envisaged under various forms:

- ENCORD and ECTP will promote the R&D&I results during the ECTP conferences, and the respective events that they may organise;
- ENCORD and ECTP will have common activities at some well identified Conferences of common interest – e.g. TRA or TRB (in Transport and Transport Infrastructures), CIB conferences, etc...

This list of agreements does not preclude any other form of collaboration between ECTP and ENCORD that could be agreed after the signature of the MoU. That extension of the list of agreements will be included as an Annex to the MoU.


4) Duration

This MOU is at-will and may be modified by mutual consent of the two parties. This MOU shall become effective upon signature by the authorized representatives from the involved parties and will remain in effect until terminated by any one of the parties.

Agreed in Brussels, 14 November 2018



Emmanuel FOREST
ECTP President



Juan ELIZAGA CORRALES
ENCORD President

