



Azarbaijan Shahid Madani University

**Joint Research Agreement between
Azarbaijan Shahid Madani University
&
Aedificantes Company of Laval Mayenne Technopole**

This agreement is made between Azarbaijan Shahid Madani University (hereafter ASMU) located in Tabriz, Iran represented by the Rector, Professor Hassan Valizadeh, and Aedificantes Company located in Laval Mayenne Technopole, France represented by Professor Stanislav Simonenko.

The General Objectives of the Agreement

The collaboration mentioned in this agreement is consistent with the mutual research needs and objectives of both institutions.

Title and Description of the Project:

Study the Behavior of Single-helix and Multi-helix Screw Piles and Anchors

Screw piles and anchors are new technology in geotechnical engineering. This technology is started in England for the first time. By next, it developed rapidly in USA and Canada as deep foundation of different structures. Screw piles and anchors are developing rapidly around the world because of the financial advantages of them in civil projects. This technology is known as a novel technology in Iran. In this project, the performance of the single-helix and multi-helix screw piles will be investigated by field tests and case studies. Also, the new algorithm will be developed to estimate the bearing capacity of screw piles.

Active Participants in the Project:

Dr. Hossein Soltani Jigheh **Department of Civil Engineering ASMU.**

Pouya Zahedi **Department of Civil Engineering ASMU.**

Dr. Stanislav Simonenko **Director of Aedificantes Company**

Mutual Responsibilities and Commitments:

1. Both parties agree to respect the confidentiality of the information, methods, procedures, and results used and obtained before, during and after the collaboration unless separately agreed on.
2. Any anticipated outcomes and benefits of this collaboration including any creative ideas, inventions, conference papers, publications, products, and patents shall be the property of both institutions.

3. Any publication or patent resulting from the joint research agreed in this text should bear the name of both institutions as affiliated institutions. Neither party will use the name of the other party in any publicity, advertising, news, or publication without the prior approval of the other party.
4. The participants from ASMU and **Aedificantes Company** will collaborate in conducting research on **Screw piles and anchors** within the terms and conditions mentioned in this text.
5. Both institutions shall provide all the training, expertise, material, laboratories, and other equipment required pertaining the conduct of the research mentioned.
6. The participants from both parties agree to observe all the policies, regulations, procedures, security measures, as well as (where applicable) laws and regulations involving use of human subjects, animals, hazardous agents and material, ethical conduct, and safety during the collaborative research.

Finance and Expenses:

- ASMU and **Aedificantes Company** commit themselves to the allocation of **28000€**, and **130000€ (In the form of services, based on research proposal)**, respectively as the financial support for this project. These sums will be disbursed for the expenses such as travel cost, accommodation, catering, laboratory services, materials, equipment, and training incurred during the conduct of the project.
- As the sender institution, either party will be responsible only for the travel costs, while the accommodation, catering, and research related costs will be the responsibility of the host institution.

Duration of the Agreement:

This agreement will be effective from the date signed for a period of 4 months, which can be extended upon justification provided and approval of both parties.

Legal Issues:

- Neither party is allowed to terminate the agreement unless obtains a written permission of the other party.
- All the conflicts and differences in interpretation of the items of this agreement shall be solved in good will via negotiation and dialogue between the nominated officials of both institutions represented by the participants in this agreement.
- This agreement has been arranged in English and signed by the authorities of both institutions represented by the participants in this agreement.

Signed by:

Prof. Hassan Valizadeh and
The Rector of Azarbaijan Shahid Madani University

Tehran, Iran

Date signed:

30.06.2020

Dr. Stanislav Simonenko

 **AEDIFICANTES S.A.S.**

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