Technology Request

Looking for acoustic, underwater and micro seismic noise prediction company

Summary

A Greek SME is working on a simulation tool for acoustic, underwater and micro seismic noise prediction. The company is looking for an SME with similar technical expertise to provide information and experimental results in order to compare them with the simulation results. The Greek company is looking for technical cooperation agreement.

Expiration Date	24 February 2017
Reference	TRGR20160222001
Profile link	

Details

Description

A Greek SME, dealing with advanced simulations, is working in a project aiming to develop a demanding simulation software tool. The tool is based on accelerated Boundary Element Method (BEM). This method is well known as the ideal one for providing accurate and reliable solutions for solving multi-cracking fracture mechanics problems as well as large-scale problems dealing with infinite/semi-infinite domains, such as outdoor & underwater acoustics (e.g. infrasound, noise pollution), soil mechanics (e.g. earthquake waves, foundations, vibration isolation), radiation and scattering (e.g. radar, antennas), etc.

The software tool of the Greek company applies in two major modules, Electromagnetics and Fluid Structure Interaction. For the later module, the Greek company would like to find an SME which is working in the field of acoustic, underwater and micro seismic noise prediction. For completing the simulation tool the Greek company needs the SME abroad to provide all the necessary technical information and experimental results in order to compare them with the results given by the simulation tool. In return, when the project will be completed, the SME sought will be given for free the simulation software. The software will provide high accuracy computational results. The Greek company is looking for technical cooperation agreement.

Technical Specification or Expertise Sought

The Greek company is looking for an SME abroad with expertise in acoustic, underwater and micro seismic noise prediction. The SME is requested to provide technical information and experimental results of projects of the mentioned field.

Stage of Development

Concept stage

IPR Status

Secret Know-how

Keywords

Technology

01003006	Computer Software
01003008	Data Processing / Data Interchange, Middleware
01003016	Simulation
09001001	Acoustic Technology related to measurements
09003	Electronic measurement systems

Market

03007003	Other analytical and scientific instrumentation
06001001	Exploration services
06001004	Equipment and instrumentation
09006	Mining (non-energy related)

NACE

J.62.0.9	Other information technology and computer service activities
M.71.2.0	Technical testing and analysis
M.72.1.9	Other research and experimental development on natural sciences and engineering

Open for EOI : Yes

Client

Type and Size of Organisation Behind the Profile

Industry SME 11-49

Client Country

Greece

Partner Sought

Type and Role of Partner Sought

The Greek company is looking for an SME abroad with expertise in acoustic, underwater and micro seismic noise prediction. The SME will provide technical information and experimental results to the Greek company. For this reason, the required partner should have previous projects in the field with sufficient data. The partner will receive the completed software tool for free. The Greek company is looking for technical cooperation agreement.

Type and Size of Partner Sought

SME 11-50,SME <10,SME 51-250

Type of Partnership Considered

Technical cooperation agreement