

## A. DETAILS ABOUT YOUR ORGANISATION

### ORGANISATION CONTACT DETAILS

Name of organization*	ICMET-Craiova
Name of department*	R&D
Street name*	Calea Bucuresti
Street number*	144
Post Code*	200515
City*	Craiova

### CONTACT PERSON

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## B. DETAILS ABOUT YOUR PROJECT or PROJECT IDEA

Title*	Monitoring, diagnosis and protection of energetic equipment
Acronym*	MDPEE

### THEMATIC PRIORITIES MAIN RESEARCH AREAS (MULTIPLE CHOISE)\*

Themes/Activities in ENERGY	Interest in research
Hydrogen and fuel cells	<input type="checkbox"/>
Renewable electricity generation	<input type="checkbox"/>
Renewable fuel production	<input type="checkbox"/>
Renewable for heating and cooling	<input type="checkbox"/>
CO2 capture and storage technologies for zero emission power generation	<input type="checkbox"/>
Clean coal technologies	<input type="checkbox"/>
Smart energy networks	X
Energy efficiency and savings	<input type="checkbox"/>
Knowledge for energy policy making	<input type="checkbox"/>

### PROJECT DESCRIPTION

<b>Abstract*</b>	ICMET conceived and developed monitoring equipment for power transformers, reactors and high-voltage switches. Monitored and displayed quantities: -dissolved hydrogen concentration -dissolved carbon oxide concentration -oil moisture -partial discharge level -tan delta for the bushings -oil pumps condition -funs condition -capacitive current for the bushings -bushing capacitance -working time -spent life time
<b>Duration (months)</b>	
<b>Details about the partner sought and description of the works to be carried by the partner</b>	We wish an European norm drawing up for monitoring, diagnosis and protection of energetic equipment So, we are searching for the partners which had the field expertise: -monitoring of other transformers parameters; -monitoring of circuit breakers and disconnectors within substations;

\* These fields are mandatory

	<ul style="list-style-type: none"> <li>-monitoring of leakage current of overhead line insulators;</li> <li>-monitoring of high voltage contact overheating (disconnectors, connections etc.);</li> <li>-improvement of monitoring system architecture;</li> <li>-use of substation monitoring for passing to substations without personnel</li> </ul>
<b>Scientific keywords*</b>	monitoring, diagnosis, protection, energetic equipment

<b>Partners sought* (please specify the type such as RTD, SMEs, end-user, ....)</b>	University R&D, end - user
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The experience of partners that you need\*

<p>Research interest:</p> <ul style="list-style-type: none"> <li>-monitoring of other transformers parameters;</li> <li>-monitoring of circuit breakers and disconnectors within substations;</li> <li>-monitoring of leakage current of overhead line insulators;</li> <li>-monitoring of high voltage contact overheating (disconnectors, connections etc.);</li> <li>-improvement of monitoring system architecture;</li> <li>-use of substation monitoring for passing to substations without personnel</li> </ul>
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**I agree with the publication of my data**

\* These fields are mandatory