

Stage IV– Project SMESEE PROD CHE system

I. Reporting deliverables

Stage 4 - 01.08.2022 to 31.10.2022				
A2. Project prototype development (Development of prototype modules of SMESEE PROD CHE system)/part2				
Interim report –RI 4				
No.	Contents	Final documents / contents	Realization deliverables	Realization activities
1	A2.3. Prototype software application testing	The main result of this sub-activity is the computer programs that each application involves.		
	A2.3.1. Development (realization) of software applications involved in SMESEE The establishment of application algorithms and their transcription into an appropriate programming language. On-line applications for primary data acquisition, transmission and processing	<p>1. Technical report on the algorithms and software applications required for the subsystems of the SMSEE PROD CHE product in the complete version</p> <p>It includes the definitions and details of the algorithms and functions of analysis and diagnosis, identifying the technical requirements of specific regulations, computer security rules to be implemented, on-line applications for primary data acquisition, transmission and processing, storage applications, local visualization applications, off-line visualization-diagnosis application and web applications.</p> <p>2. The design of the software structure of the SMSEE PROD CHE product in the complete version</p> <p>Includes all computer applications and programs required for modules, subsystems, and the product as a whole.</p>	X	X
	A2.3.2. Testing SMESEE software applications The testing activity that it obviously involves.	<p>1. Software testing protocols for the components of the SMESEE product</p> <p>They include:</p> <ul style="list-style-type: none"> • simulation of possible situations, ensuring the validation of the various analysis and diagnosis functions; • verifying the aptitude of the application package to ensure communication with the human operator and to respond to the requirements of local and delocalized management of power equipment; 	X	X

		<ul style="list-style-type: none"> checking the compatibility with the field components, with the signal conditioning blocks, with the cabling system, with the data transmission, with the data acquisition boards, with the data processing and storage unit and last but not least with the dedicated database. correcting inaccuracies, errors, omissions. 		
2	Management	Stage IV	X	X
3	Communication and Publicity	<ol style="list-style-type: none"> Updates on company's web-site regarding the project progress. Newsletters to company's database Article 	X	X
4	Participation at technology trade shows and fairs	<ol style="list-style-type: none"> Second participation at a technology trade show / fair 	X	X
5	Audit	Stage IV	X	X
	<p>A3.2. Technical documentation for SMESEE system certification. The result of the sub-activity is represented by the file with all the documents on the basis of which the product certification is requested.</p>	<p>The certification body or bodies shall be identified, as well as the standards and requirements to be met in order to certify the system The technical report shall include:</p> <ul style="list-style-type: none"> the certification requirements for placing the product on the Community market; the list of regulations to which the product is subjected; the list of product tests, specifying those that can be performed by SIMTECH INTERNATIONAL or project partners, respectively what are required to be performed at accredited laboratories; product testing protocols; test schemes for the tests carried out by SIMTECH INTERNATIONAL and lists of materials, equipment, arrangements, etc. required for the tests. <p>within the sub-activity, all the tests necessary for certification are performed.</p>	X	X
	A3.2.1. Elaboration of the installation manual.	<ol style="list-style-type: none"> The installation manual of SMESEE product 	X	X
	A3.2.2. Elaboration of the operation manual.	<ol style="list-style-type: none"> The operation manual of SMESEE product 	X	X
	A3.2.3. Elaboration of the maintenance and service manual.	<ol style="list-style-type: none"> The maintenance and service manual of SMESEE product 	X	X

	A3.3. Intellectual property rights	<p>1. Identification and procedure for validation of SMESEE intellectual / industrial property rights. It identifies the elements that may constitute intellectual / industrial property and the steps to achieve a protection of these rights.</p> <p>2. File with the documents necessary for submitting the application for intellectual property protection</p>	X	X
--	------------------------------------	---	---	---