

## Stage II - Project *SMESEE PROD CHE system*

### I. Raportare livrabile

Stage 2-01.12.2021-31.03.2022 Activity 1. Development of experimental model of <i>SMESEE PROD CHE system/ Part 2</i> (Elaboration, realization and experimentation of the <i>experimental model</i> of the system -- <i>SMESEE PROD CHE system</i> ) Interim report 2 –RI 2					
No.	Contents	Final documents / contents	Realizare livrabile	Realizare activitati	
1	<b><i>A1.5 Elaboration, realization and experimentation of the experimental model of the subsystem for monitoring, analysis and diagnosis of electricity quality in HPP – SS5 energy quality subsystem</i></b>	1. Documentation reports regarding the definitions of the functions and structure of modules for the subsystem SS5 energy quality subsystem 2. Projects of the experimental models of modules for the subsystem SS5 energy quality subsystem 3. Acceptance reports of experimental models of the subsystem SS5 energy quality 4. Test reports of the experimental models of the modules for the subsystem SS5 energy quality			
	A1.5.1. Elaboration, realization and experimentation of the experimental model of the subsystem for monitoring, analysis and diagnosis of electricity quality at its production in HPP – <b><i>M5.1. Energy quality module</i></b>	1. Documentation report regarding the definitions of the functions and structure of module <b><i>M5.1. Energy quality module</i></b> 2. Project of the experimental model of the module <b><i>M5.1. Energy quality module</i></b> 3. Experimental model of the module <b><i>M5.1. Energy quality module</i></b> 4. Test report of the experimental model of the module <b><i>M5.1. Energy quality module</i></b>	X  X  ---		

2	<b>A1.6. Acquisition for the experimental models</b>	1. Development of technical specifications and documents required for procurement start 2. Carrying out the auctions 3. Reception of purchased materials and their deployment in the economic circuit of the company	X		
	A1.6.1 Partial discharge sensor assembly to electrical power transformers	Equipment	X		
	A1.6.3 Component test stand for each SMEESE PROD CHE	Equipment	X		
	Generator stator module	Equipment	X		
	A1.6.8 Hydrogenerator data acquisition device	Equipment	X		
	A1.6.9 Aquisition of Kit for : sensors for online monitoring of the turbine drive oh hydrogenerators; sensors for online monitoring of the directing device of hydrogenerators; sensors for online monitoring of the cooling system of hydrogenerators; sensors for online monitoring of the fire extinguishing installation of hydrogenerators.	sensors for online monitoring of the turbine drive oh hydrogenerators; sensors for online monitoring of the directing device of hydrogenerators; sensors for online monitoring of the cooling system	X		
		sensors for online monitoring of the fire extinguishing installation of hydrogenerators.	X		
	A1.6.10 Continuous acquisition device vibration endwinding	Equipment	X		
	A1.6.12 On-line monitoring sensors at transformer terminals and oil analysis from condens pots of terminals	On-line monitoring sensors at transformer terminals	X		
		oil analysis from condens pots of terminals	-----		
	1.6.13 Continuous acquisition device from circuit breaker	Equipment	X		
	A1.6.15 Acquisition of Notebook	Equipment	X		
3	<b>A2.2. Acquisition of components and spare parts for prototype development</b>	1. Development of technical specifications and documents required for procurement start	X		

		2. Carrying out the auctions 3. Reception of purchased materials and their deployment in the economic circuit of the company	X partial		
4	Management	Stage II	x		
5	Communication and Publicity	1. Updates on company's website regarding the project progress 2. Newsletters to company's database from 6 to 6 month	X x		
6	Audit	Stage II	x		