No	Technical task	Responsible institution and person	Deadline	Expected result	Cost of material	Cost of personnel	Link to the WP, milestone, deliverable
1	Accelerator choice for the gas treatment system	Fraunhofer, ebeam, INCT	To be filled by Fraunhofer, ebeam, INCT	Choice of exact electron beam accelerator for the exhaust gas treatment system from ebeam lamp and Fraunhofer circular beam lamp	To be filled by Fraunhofer, ebeam, INCT	To be filled by Fraunhofer, ebeam, INCT	WP2.2 T2.2.1. (T2.2.)
2	National regulations for experimental irradiation devices operation	RTU, INCT, Fraunhofer, CERN	To be filled by RTU, INCT, Fraunhofer, CERN –	Fulfillment of Latvian requirements and regulations regarding irradiation device accreditation and licensing. - may affect timeline of the project – comissioning of the experimental device	To be filled by RTU, INCT, Fraunhofer, CERN	To be filled by RTU, INCT, Fraunhofer, CERN	WP2.2 T2.2.2.
3	Estimation and design of shielding for the reaction vessel and Electron Beam Lamp	Fraunhofer INCT ebeam	To be filled by Fraunhofer and ebeam and INCT	Shielding for ebeam eba300 lamp &600mm diameter process vessel. Shielding must provide safety of operation for the system and all involved personnel.	To be filled by Fraunhofer and ebeam and INCT	To be filled by Fraunhofer and ebeam and INCT	WP2.2. T2.2.3.D3 – to new WP
4	Design guidelines and parameters for Electron Beam Lamp window protection air curtain are provided	Fraunhofer, ebeam, Remontowa	To be filled by Fraunhofer and ebeam, Remontowa	Definition of Electron Beam Lamp window protection air curtain (to prevent window corrosion protecting it from exhaust gases) main operation parameters, design guidelines, air flow parameters, flow formation means and dimensions.	To be filled by Fraunhofer and ebeam, Remontowa	To be filled by Fraunhofer and ebeam, Remontowa	WP2.2. T2.2.4. D3 – to new WP
5	Appropriate accelerator is provided to Riga shipyard 2 scenarios	Ebeam Fraunhofer	10.06.2019. or to be filled by ebeam	Electron Beam Lamp delivered at RKB Circular accelerator	To be filled by ebeam, Fraunhofer	To be filled by ebeam, Fraunhofer	WP2.2. T2.2.5. D4 – to new WP
6	Calculations of reaction vessel	INCT, ebeam,	30.12. or to be filled	Sketches, draft drawings, calculations of reactor vessel critical parameters,	To be filled by INCT, ebeam,	To be filled by INCT, ebeam,	WP2.2. T2.2.6.

		Fraunhofer Remontowa	by INCT, ebeam, Fraunhofer Remontowa	allowing to proceed to detailed drawing creation	Fraunhofer Remontowa	Fraunhofer Remontowa	
7	Exact drawings for reaction vessel fabrication*	RTU, INCT, Remontowa, Fraunhofer	To be filled by RTU, INCT, Remontowa, Fraunhofer	Exact technical documentation for fabrication and installation requirements of reaction vessel	To be filled by RTU, INCT, Remontowa, Fraunhofer	To be filled by RTU, INCT, Remontowa, Fraunhofer	WP2.2. T2.2.7. MS1
8	Calculation & Design of cooler	INCT, Remontowa, Fraunhofer	30.12.	Calculation results, sketches and draft drawings of cooler allowing to proceed to detailed drawing creation	To be filled by INCT, Remontowa, Fraunhofer	To be filled by INCT, Remontowa, Fraunhofer	WP2.2. T2.2.8.MS1
9	Final design of cooler*	RTU, INCT, Remontowa, Fraunhofer	20.02. or to be filled by INCT, Fraunhofer, RTU	Exact technical documentation for fabrication and installation requirements of cooler	To be filled by INCT and RTU	To be filled by INCT and RTU	WP2.2. T2.2.9.MS1
10	Design for Electron Beam Lamp window protection air curtain are provided*	Fraunhofer, INCT, Remontowa, RTU	20.02.	Exact technical documentation for fabrication and installation requirements of Electron Beam Lamp window protection air curtain	To be filled by INCT, Fraunhofer, RTU	To be filled by INCT, Fraunhofer, RTU	WP2.2. T2.2.10. MS1
11	Integration of components in the system and final drawing preparation*	Remontowa, INCT, RTU	10.04. or to be filled by Remontowa, INCT, RTU	Set of final technical documentation, including drawings of the system with all the component integration, principal schemes, assembly and detailed drawings	To be filled by Remontowa, INCT, RTU	To be filled by Remontowa, INCT, RTU	WP2.2. T2.2.11. MS1