

Annex A1-1

Report on project plan



Subject	Project acronym / Ref. No.	Date
Deliverable under Action A.1	Etanolix 2.0 for LIFE+ / LIFE12 ENV/SE/000529	31/12/2013
Issued by	Company / Department	
Linda Werner (PM/Technical Manager)	St1 Refinery AB / Technical Department	

Report on project plan

The project plan, for the overall LIFE+ project, is seen below and is the same as presented in the Grant agreement. This Action plan, as a coarse time schedule, has been used as a starting point to discuss and “break down” the different Actions to more detail and in depth activities linked to each Action A-E. The demarcated and defined tasks have thereafter been delegated to different groups according to the Project Management structure. E.g. Technical Work Group got responsible for the Construction and design. Time, actions and responsibilities have been communicated within the organization and to whom it might concern.

Action		2013				2014				2015				2016				2017				2018			
Action number	Name of the action	I	II	III	IV	I	II	III	IV	I	II	III	IV	I	II	III	IV	I	II	III	IV	I	II	III	IV
A. Preparatory actions:																									
A.1	Planning and preparation			■	■																				
A.2	Design of the pilot and Procurement			■	■																				
B. Implementation actions:																									
B.1	Construction of pilot plant and installation/integration to the refinery					■	■	■	■																
B.2	Commissioning, start-up and performance verification									■	■														
B.3	Demonstration of pilot plant													■	■	■	■	■	■	■	■				
C. Monitoring of the impact of the project actions:																									
C.1	Monitoring and Evaluation of pilot plant					■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■				
C.2	Socio-economic impact of the project actions																					■			
D. Communication and dissemination actions:																									
D.1	Communication and dissemination of project results					■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
D.2	Networking with other EU-projects					■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
D.3	After LIFE+ Communication Plan																					■	■	■	■
E. Project management and monitoring of the project progress:																									
E.1	Project management and monitoring of project progress					■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■

The project plan is the Project Manager’s responsibility. At this stage, involved in actions for the project, is mainly personnel within the Health, Safety and Security department, Process Technology competencies, Construction- and Procurement department. Actions ongoing are:

- Preparatory actions
 - A1 planning and preparation
 - A2 design of the pilot and procurement
- Communication and dissemination actions, D.1



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- Project management and monitoring of the project progress

Below we present an example on the level of details to be planned for in detail and where a dedicated time schedule is performed to enable the work to be executed in time. Please see below the 'Planning and Preparation work sheet' used by the refinery Engineering department.

St1 Refinery AB
Göteborg, Sweden



PROJEKTINFORMATION	
Projekt Nummer:	R0213R90
Projektamn	Etanolix 2.0

Kat.	Beskrivning
I.	ENGINEERING
	Administration
	Design Civil
	Design Mechanical
	Project Management
	Civil direction of work
	Design Piping
	Design review
	Piping direction of work
II.	CIVIL
	Foundation tie-in A
	Slab loading station stillage
	Soil and ground investigation
	Fire proofing
	Cable earthmoving
	Roads and planes
	Receiving station
III.	MECHANICAL
	Steel construction
	Heat exchanger (cooler)
IV.	INSTRUMENT
	Material
	Work
V.	PIPING AND PIPELINES
	Piping material



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	Work
	X-ray
	Control
	Cranes, transportation
	Scaffolding
	Pressure test
	Plant organization
	Documentation
	Painting
	Galvanization
	Insolation
	Heat treatment
VII.	(Supply and construction)
	Operational station
	Surveillance camera
IX.	ELECTRICAL ENGINEERING
	New switchgear
	Instr. cabling
	El-tracing
	Earthing, electricity
	Lighting
X.	UTILITIES AND AUXILIARIES (Supply)
	Soil preparation
XI.	MOVABLES
	Waste
XII.	MISCELLANEOUS SUPPLIES AND SERVICES
	Safety guards (Piping)
	Safety guards (Civil Piping)
	Contingency (10%)

The step, after defining all important tasks, is to develop the time schedule defining the activities and when in time they have to be started and finalized.

Please find a draft of the project time schedule over the year of 2014.



