CORALIS
Industrial Symbiosis
in Energy Intensive Industries

CORALIS

Creation Of new value chain Relations through novel Approaches facilitating Long-term Industrial Symbiosis

Grant Agreement No 958337

Guideline 4.3: Selection of reference and IS scenarios

Deliverable 10.5

Working Package: WP10

Table of content

1. Process description

Please provide detailed process description including figures and include if possible:

- a Process Flow Diagram (PFD) and
- Piping and Instrumentation Diagrams (PIDs)
- a general layout of the plant and a Symbiosis Block Diagram if known
- Flow materials

2. Mass and energy consumption

Info regarding the plant, its production and industrial setting	**Year**
Current production (ton/year, m3/year, pieces/year) of specified products or products groups:	
X	
Y	
Z	
Purchased energy and water	
Electricity (MWh/year)	
Water (m3/year)	
Purchased fuel(s)	
CH4(Sm^3)	
Coal (ton)	
Other	
Purchased raw materials and auxiliary materials (ton/year)	
X	
Y	
Z	
Hours of production per year	
Please provide information about type of processing: batch, continuous or a mix?	

3. Residue characteristics

Residues	CER code [1]	Quantity (kg/y)

Notes:

1- European waste list. LINK

2- Classified as hazardous substance

4. Additional questions

Please provide details about the following:

- Does the demo site (the symbiosis area in particular) include devices able to provide measurements and other data via digital interfaces? If yes, could you describe the physical interfaces and the involved communication protocols?
- Is there any software system (e.g. SCADA) that could provide additional information?
- Are there any immediate plans to upgrade the demo site with this kind of equipment (sensors, actuators, measurement devices, etc.)?
- Could you provide a brief description or graphic representation of the demo site (the symbiosis area in particular) control and monitoring architecture?
- Are there already any energy/material/waste streams from/to other companie(s)?
- Are there any logistics routes (distances, kind of transport vehicle, frequency of transports) of materials, energy carriers and products (+commuters)?
- Information (publicly) available such as environmental reports and/or energy audit reports