

QUESTIONNAIRE

ALCOHOL PLANT

GENERAL DATA

Client (end user)	
Address, telephone, email	
Project code/name	
Site location	
Responsible project manager	
Form completed by (name, company)	
Date	

1. PROJECT DATA

Provisional time schedule	
Contract award	
Plant start-up	
Implementation of a new plant	<input type="checkbox"/> Yes <input type="checkbox"/> No
Expansion of an existing plant	<input type="checkbox"/> Yes <input type="checkbox"/> No
Budget available	<input type="checkbox"/> No, development of new business case <input type="checkbox"/> Approval pending feasibility study <input type="checkbox"/> Approval pending financing <input type="checkbox"/> Financing approved

2. BASIC DATA FOR PRODUCTION

Production capacity in liters per day	
Operating time in days per year in continuous process (24 hours per day, 7 days per week)	
Raw material (e.g. corn, wheat, molasses, sugar juice etc.) Please provide raw material analysis, if available.	
Product quality requirements Please provide standard or specification, if available.	
By-products Following by-products can be obtained:	<input type="checkbox"/> CO ₂ gas formed in fermentation that can be liquefied and sold or used for the production of dry ice. Please provide specification. <input type="checkbox"/> DDGS (grain plants only) <input type="checkbox"/> Slops concentrate (molasses, sugar syrup plants – if the slops resulting from distillation cannot be drained into the sewer) please specify concentration in %.

3. UTILITIES

Process water supply

Secured supply quantity during the whole working time of the factory, m ³ /h	
Quality Please enclose the water analysis, for which the plant shall be designed or make adequate notes at the attached standard analysis.	
Temperature, °C max/min	

Cooling water supply

Secured supply quantity during the whole working time of the factory, m ³ /h	
Temperature, °C max/min	

Power supply

Available voltage up to the main distributing frame in the plant, V / \pm V	
Available frequency, Hz / \pm Hz	
Connected load, MW	
Typical downtime due to power outages (short time, a few hours, days) and how frequently	

Steam supply

Available steam quantity, t/h	
Steam pressure, bar	
Steam temperature, °C	
Distance to existing steam boiler, m	

Fuel source for DDGS driers

Drier fuel (e.g. steam, natural gas, heavy fuel oil, ...)	
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4. BUILDING SITE

Available area for erection of the plant Please adjoin map to this questionnaire Altitude of the site above sea-level, m Seismic factor	
Climatic conditions on site Outdoor temperature, °C min/max Relative humidity, % min/max Wet bulb temperature, °C min/max	

Special conditions (floodwater, rainfall, wind velocity, snow loads)	
<p>Storage Capacities</p> <p>Available/required capacities (tanks, pumping station) in weeks for</p> <p> Raw material</p> <p> Solid auxiliary material (nutrient salts)</p> <p> Liquid auxiliary material (sulfuric acid)</p> <p> Alcohol</p> <p> Thick sludge</p>	
<p>Logistics</p> <p>Kind of supply and dispatch to/from plant</p>	<p><input type="checkbox"/> Rail</p> <p><input type="checkbox"/> Road</p>
<p>Buidlings</p> <p>Please provide plans of existing buildings, if available.</p>	