

## QUESTIONNAIRE

### VINEGAR 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  If the projected plant is to be integrated into an existing plant (buildings), please provide drawings etc.	<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 year based on 10% concentration	
Acid concentration of final product, %	
Operating time in days per year/ hours per day or week	

Raw material Type of alcohol containing raw material (e. g. wine from grape, apple, dates etc, or ethanol)	
Alcohol content, % vol/vol (please provide chemical analysis, if available)	
Other (non-alcoholic) raw material	

## 3. UTILITIES

### Process water supply

Process water supply in drinking quality (secured quantity during the whole working time of the factory), m <sup>3</sup> /h	
Temperature, °C max/min	

### Cooling water supply

Cooling towers	<input type="checkbox"/> Available <input type="checkbox"/> Not available
If to be included in the offer Water supply (secured quantity during the whole working time of the factory), m <sup>3</sup> /h	
Temperature, °C max/min	

**Power supply**

Available voltage 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	

**4. BUILDING SITE**

<p>Climatic conditions on site</p> <p>Outdoor temperature, °C min/max</p> <p>Relative humidity, % min/max</p> <p>Wet bulb temperature, °C min/max</p> <p>Special conditions (floodwater, rainfall, wind velocity, snow loads)</p>	
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<p>Storage capacities</p> <p>Available/required capacities (tanks, pumping station) volume</p>	
<p>Available buildings</p> <p>(please provide plans, if available)</p>	