Questionnaire for
CO_2 Recovery Plants

UNION ENGINEERING
Reliable solutions by dedicated people

Date:

Company information

Company name:	
Company address:	
Company phone:	
Company website:	
Contact person:	
Contact person e-mail:	
Contact person phone:	
Job title:	
Department:	

Expected time for taking plant into use: Quarter Year

CO_2 raw gas source: ☐ Brewery ☐ Distillery - (Please attach raw gas analysis)

Other:

Site

Enduser/Buyer:	
Plant location/Address:	
Contact person:	
Contact person e-mail:	
Contact person phone:	

Site Conditions

Voltage at site (VAC):	
Cycles at site (Hz):	
Phase at site:	
Altitude above sea level (m):	
Max. wet bulb outdoor temperature:	
Max. ambient outdoor temperature:	

Min. ambient outdoor temperature:			
Max. ambient indoor temperature:			
Min. ambient indoor temperature:			
Wind speed (m/sec):			Standard design: max 30 m/sec
Seismic activity:	Yes	Choose from the list	No

Recovery Plant details

Plant size (kg/h): Standard sizes: 145, 285, 500, 1000, 1500, 2000 kg/h Kg/h measured as food-grade liquid CO_2 produced 99.99% purity			
Raw gas inlet temperature:			°C
Raw gas inlet pressure:			bar a
Purity of raw gas (%CO_2):			
Purity of final product required (%CO_2):			
Scrubbing water inlet temperature - max:			°C
Cooling water inlet temperature - max:			°C
Cooling water inlet temperature - min:			°C
Is glyod available:	Yes	No	
Steam pressure:			
Cooling water system to be included:	Yes	No	
CO_2 cylinder filling station to be included:	Yes	No	
CO_2 truck filling unit to be included:	Yes	No	
CO_2 evaporator to be included:	Yes	No	
CO_2 storage tank to be included:	Yes	No	
CO_2 storage tank sizes if special requirements:			Ton capacity
CO_2 storage tank:	Horizontal	Vertical	
UPS (Uninterruptible Power Supply) required:	Yes	No	
Spare parts for two year operation to be included:	Yes	No	
Super vision during installation:	Yes	No	
Freight cost to be considered:	Yes	No	
Name of port/Incoterms:			

Refrigerant preference:	Freon	Ammonia	
Cooling water temperature, if already available:			°C
Area available for plant:			L x W x H

CO_2 development

Deduction for yeast growth and biproduct formation (%):	
Annual Sales of beer/production of beer (hl):	
Original Sales gravity - Gravity of final product (degree plato):	
Wort plato (degree plato):	
Degree fermentation (%):	

Production Schedule

Days/week:	
Shifts per day (number):	
Shift duration in hours:	
Weeks/year:	

Further comments:

Name:

E-mail:

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All information given in this questionnaire will be considere as confidential