



Inquiry Form

Don't hesitate to contact us for questions. We are also available to support you in filling the inquiry form.
Please contact: ent.gigkarasek@gigkarasek.at

- Feasibility study
 Pilot plant trials
 Apparatus delivery
 Full process plant

Feed and composition (w%)

Substance A <input type="text" value="CO<sub>2</sub>"/> <input type="text"/> v%	Substance C <input type="text"/> <input type="text"/> v%
Substance B <input type="text"/> <input type="text"/> v%	Substance D <input type="text"/> <input type="text"/> v%
e.g. O ₂ /CO/H ₂ /N ₂	
Origin of feed <input type="text"/>	Impurities ppm% <input type="text"/>
	e.g. NO _x , SO _x

Product

Valuable product Gas Liquid

Name (gas/Liq.)

Heat capacity (kJ/kgK) only for liquid

Flow rate (NL/h)

Purity (w%)

Chemical composition

Catholyte

Name

Heat capacity (kJ/kgK)

Flow rate (NL/h)

Viscosity (mPas)

Density at temp. (kg/m³)

Composition and concentration

PH value

Solubility of CO₂

Anolyte

Name

Heat capacity (kJ/kgK)

Flow rate (NL/h)

Viscosity (mPas)

Density at temp. (kg/m³)

Composition and concentration

PH value

Hazardous classification

Toxic yes no

Corrosive yes no

Asphyxiating yes no

Flammable yes no

Oxidizing yes no

Note

Toxic yes no

Corrosive yes no

Asphyxiating yes no

Flammable yes no

Oxidizing yes no

Note

Toxic yes no

Corrosive yes no

Asphyxiating yes no

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Note



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Design parameters

	<input type="checkbox"/> AD2000	<input type="checkbox"/> EN 13445	<input type="checkbox"/> ASME	<input type="checkbox"/> Other	<input type="text"/>	
Design code	<input type="text"/>					
Medium classification / group	<input type="checkbox"/> PED	<input type="checkbox"/> Group 1	<input type="checkbox"/> Group 2	<input type="checkbox"/> ASME	<input type="checkbox"/> Lethal	<input type="checkbox"/> Non-lethal
ATEX / hazardous code	Protect. mode	<input type="text"/>	Expl. group	<input type="text"/>	Ign. group	<input type="text"/>
	Design (barg)	Operation (barg)	Design (C°)	Operation (C°)		
Gas side	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>		
Catholyte side	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>		
Anolyte side	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>		
Material for construction	<input type="text"/>					

Electrolysis cell

FE of catalyst	<input type="text"/>		Max. pressure loss	<input type="text"/>
Kinetic voltage of catalyst	<input type="text"/>		Reaction area	<input type="text"/>
Current density	<input type="text"/>		Materials	<input type="text"/>
Voltage supply (DC)	<input type="text"/>		Other	<input type="text"/>
			Injection of CO ₂ in catholyte	<input type="checkbox"/> yes <input type="checkbox"/> no

Utilities

Heating medium	<input type="checkbox"/> Saturated steam		Pressure	<input type="text"/>	barg
	<input type="checkbox"/> Thermal oil	Type	Temp. in	<input type="text"/>	°C
	<input type="checkbox"/> Other	<input type="text"/>	Temp. in	<input type="text"/>	°C
Cooling medium	<input type="text"/>				
Temp. in	<input type="text"/>	°C	Temp. out	<input type="text"/>	°C
Electric					
Voltage for pumps	<input type="text"/>	V	Frequency	<input type="text"/>	Hz
Voltage for compressor	<input type="text"/>	V	Frequency	<input type="text"/>	Hz
Compressed air					
Pressure	<input type="text"/>	barg	Relative humidity	<input type="text"/>	%



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Scope of supply

- | | | |
|--|---|---|
| <input type="checkbox"/> Lab test | <input type="checkbox"/> Electrolysis cell | <input type="checkbox"/> Distillation column |
| <input type="checkbox"/> Pilot plant test | <input type="checkbox"/> Separator | <input type="checkbox"/> Crystallizer |
| <input type="checkbox"/> Feasibility study | <input type="checkbox"/> CO ₂ injector | <input type="checkbox"/> Condenser |
| <input type="checkbox"/> Basic engineering | <input type="checkbox"/> CO ₂ humidifier | <input type="checkbox"/> Heat exchanger |
| <input type="checkbox"/> Detail engineering | <input type="checkbox"/> Downstream separation unit
(Additional plant, request via inquiry form) | <input type="checkbox"/> Vessel |
| <input type="checkbox"/> Steel structure | <input type="checkbox"/> Control valves / instrumentation | <input type="checkbox"/> Installation supervision |
| <input type="checkbox"/> Power supply cell
(Power inverter AC-DC) | <input type="checkbox"/> Pumps / compressor | <input type="checkbox"/> Installation |
| <input type="checkbox"/> Vacuum system | <input type="checkbox"/> Electrical installation | <input type="checkbox"/> Transport |
| <input type="checkbox"/> Heat system | <input type="checkbox"/> Insulation | <input type="checkbox"/> Commissioning / start-up |
| <input type="checkbox"/> Piping / hand valves | <input type="checkbox"/> Process control system | <input type="checkbox"/> Spare parts |

Other

- Investment estimation (+/- 50%)**
- Budget quotation (+/- 20%)**
- Binding offer**

- Offer required until**
- Expected awarding date**
- Expected delivery date**

Company

Contact person

E-mail

Phone number

Address (Street / postal code / city / country)