

## CHECKLIST Basic Data

### Customer data:

Name:

Company:

Address:

City:

State:

Zip / post code:

Country:

Email:

Phone:

Type of business:

Application:

Location:

### Project Specifications:

Project description

Time line evaluation

Time line approval

Time line setup

Budget max.

Contact Person

Project reference

## CHECKLIST Plant Specs

### Hydrogen requirements

Production rate	Nm3/h	<i>Min</i>	<i>Max</i>
Discharge pressure	bar		
Atmospheric dew point	°C	<i>if other, please specify</i>	
Hydrogen purity	%		

### Oxygen requirements

Oxygen required?			
Production rate	Nm3/h	<i>Min</i>	<i>Max</i>
Discharge pressure	bar	<i>Max possible</i>	<i>Required</i>
Atmospheric dew point	°C	<i>if other, please specify</i>	
Oxygen purity	%		

### Plant operating profile

Operating mode					
Operating time		h / day	d/ week	w / mth	w / year

### Plant execution

Ambient temperature	°C	<i>Min</i>	<i>Max</i>
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Ambient condition

Installation type

*if Indoor, please specify enclosure*

### Hydrogen analysis instruments required

O2 in H2 with % range                      default\*                      \* part of the security system

O2 in H2 with ppm range

H2 purity with % range

Dew point meter

Flow meter

Ambient hydrogen sensor\*                      \*mounted in the installation area above the electrolyser

## CHECKLIST Plant Specs

### Oxygen analysis instruments required

H2 in O2 with % range

Dew point meter

Flow meter

### Communication required

HMI replication on web browser ETHERNET

Remote control through modem (fix line)

Remote control through modem (GSM line)

Remote control through RS232 / RS 485

Alarm messaging through modem (fix line)

Alarm messaging through modem (GSM line)

Other (please specify)

## CHECKLIST Site Information

### Available Power at installation site:

AC source		220V 1Ph	400V 3Ph	16-20kV 3Ph	Other	<i>if other (please specify)</i>
	AC voltage					
	AC current					
DC source	DC voltage	<i>min:</i>	<i>(Vdc) - max:</i>	<i>(Vdc)</i>		
	DC current	<i>min:</i>	<i>(Amp) - max:</i>	<i>(Amp)</i>		
Source type		Grid	Renewable			

Notes

### Cooling water at installation site:

Cooling water available?

Water temperature	°C	<i>min</i>	<i>max</i>
Water pressure	bar	<i>min</i>	<i>max</i>
Water Hardness	°fH	<i>min</i>	<i>max</i>
Available quantity	m3/h	<i>min</i>	<i>max</i>

### Demi water at installation site:

Demi water available ?

Water conductivity	uS	<i>min</i>	<i>max</i>
Water pressure	bar	<i>min</i>	<i>max</i>
Available quantity	l/h	<i>min</i>	<i>max</i>
Known impurities			

### Instrument air at installation site:

Instrument air available ?

Air pressure	bar	<i>min</i>	<i>max</i>
Atmospheric dew point	°C		
Available quantity	Nm³/h		

## CHECKLIST Site Information

### Nitrogen at installation site:

Nitrogen available ?

Supply source

Nitrogen pressure                      bar                      *min*                      *max*

Available quantity                      Nm<sup>3</sup>

### Installation & operation description:

The plant will be interfaced with

*please specify: materials, tube diameters, pressure, working condition, existing sensors*

P&ID of existing (or to be build) system where the electrolyser will be part of

Operating method

*i.e. tank refilling (specify size and pressure thresholds), direct compressor feeding etc.*

### Constrains & limitation

Are there any space limitation at installation site?

Door clearance at installation site (bxh in m)