Clean Air Solutions Questionnaire

1. Customer

Company:	
Department:	
Street/P.O.B:	
Postal Code:	
Town:	
Country:	
Responsible:	
Phone.:	
Fax:	
E-Mail:	

2. Technical Information

2.1 Source of exhaust air

Industry:		
Process:		
Outlet from:	☐ plant exhaust	☐ building exhaust
Operation:	☐ continuously	
	☐ discontinuously	
	☐ batch	
Operating time:		hours per day
		hours per week
		hours per year

2.2 Exhaust Air

Flow rate:	max.		Nm³/h
	avg.		Nm³/h
	min.		Nm³/h
Temperature:	max.		°C
	avg.		°C
	min.		°C
Humidity:	avg.		☐ % r. h. ☐ g/kg ☐ °C dew point ☐ Vol%

2.3 Pollutants

Compounds/ Composition: (If available, add test report / safety data sheets)		% of
		% of
		% of
		% of
		% of
		% of

Concentration:	Solvents:	min./max	/	g/Nm³
		Avg.		g/Nm³
	Oxygen:	☐ > 17 Vol%	☐ < 17 Vol%	
	Inorganic compounds:	☐ yes:		
		☐ no		
	Condensat:	☐ yes	☐ no	
	Dust:			mg/Nm³

2.4 Emission Limits

VOC:		mg/Nm³ bzw.
		mg C/Nm³
CO:		mg/Nm³
NO_x:		mg/Nm³
Noise:		dB(A) in m distance
Others:		

2.5 Utilities

☐ Natural gas:		mbar	flow pressure
		kWh/m³	calorific value
☐ LPG:		mbar	flow pressure
		kWh/m³	calorific value
☐Heating oil EL:		kWh/m³	calorific value
Electricity:		V	voltage
		Hz	frequency
Compressed air:		bar	pressure
		°C	dew point

2.6 Heat Recovery

Required: ☐ yes (please specify below)

☐ no

☐ Steam:

	kg/h	steam capacity
	bar g	steam pressure
	°C	steam pressure
	°C	feed water temperature

☐ Thermal oil:

	kW	heating capacity
	°C	oil outlet temperature
	°C	oil inlet temperature

☐ incl. oil pump, expansion, foot vessel

☐ Warm / hot water:

	kW	heating capacity
	°C	oil outlet temperature
	°C	oil inlet temperature

☐ Production use / ☐ building heating

☐ Air:

	m^3/h	flow rate
	°C	air outlet temperature
	°C	air inlet temperature

☐ flow rate control required

2.7 Additional Demand

Installation:
- ☐ indoors
- ☐ outdoors
- ☐ stage
- ☐ roof

Provided area: _____ m x _____ m

Provided height: _____ m

Periphery:
- ☐ stack, height: _____ m
- ☐ emergency stack(s)
- ☐ emergency fan
- ☐ by-pass damper(s)

Company regulations:
- ☐ yes (please attach):
  - ☐ safety regulations
  - ☐ EX proof version
  - ☐ electrical systems
  - ☐ others
- ☐ no

2.8 Remarks