

# Mobile Regenerative Thermal Oxidiser

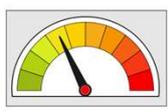
## INFLUENT

### Product compatibility

Name	Number of C	UN #	Destruction by RTO	Project executed
PAKS	C6<	-	yes	
NH3	-	1005 - 2073	yes	
CxHyS	-	1288 - 3071	yes	
CO	C1	UN 1016	yes	
Ethaan	C2	UN 1035	yes	
Ethyleenoxide	C2	UN 1040	yes	
H2S	-	UN 1053	yes	
SOx	-	UN 1079	yes	
Aceton	C3	UN 1090	yes	
Acrylonitril	C3	UN 1093	yes	yes
Benzeen	C6	UN 1114	yes	yes
Vloeibare koolwaterstof >10% benzeen	-	UN 1114	yes	yes
Cyclohexaan	C6	UN 1145	yes	
Ethanol >70%	C2	UN 1170	yes	yes
Ethylbenzeen	C8	UN 1175	yes	
Ethyl-tert-butylether	C6	UN 1179	yes	yes
Heptaan	C7	UN 1206	yes	yes
Hexaan	C6	UN 1208	yes	yes
Octeen	C8	UN 1216	yes	
Methanol	C1	UN 1230	yes	yes
Methyl-propyl-keton	C5	UN 1249	yes	
2,2,4-trimethylpentaan	C8	UN 1262	yes	
Octaan	C8	UN 1262	yes	yes
2-methyl-pentaan	C6	UN 1265	yes	
Pentaan	C5	UN 1265	yes	yes
Aardoliedestillaat	-	UN 1268	yes	
Propyleenoxide	C3	UN 1280	yes	
Tolueen	C7	UN 1294	yes	yes
Vinylacetaat	C4	UN 1301	yes	
Xyleen	C8	UN 1307	yes	yes
Naftaleen	C10	UN 1334	yes	yes
NOx	-	UN 1660	yes	
Nonaan	C9	UN 1920	yes	
Methaan	C1	UN 1971	yes	yes
Ontvlambare vloeistof >10% benzeen	-	UN 1993	yes	yes
Dicyclopentadien	C10	UN 2048	yes	
Styreen	C8	UN 2055	yes	yes
Methylcyclohexaan	C7	UN 2296	yes	
Methylcyclopentaan	C6	UN 2298	yes	
Methyl-tert-butylether		UN 2398	yes	yes
Ontvlambare vloeistof <10% benzeen	-	UN 3257	yes	yes
Vloeibare koolwaterstof <10% benzeen	-	UN 3295	yes	yes
Ethanol en benzine	-	UN 3475	yes	yes
Benzine	-	UN1203	yes	yes
Isooctenen	-	UN1216	yes	yes
Ruwe aardolie >10% benzeen	-	UN1267	yes	

Additional products upon request

### Maximum influent parameters



#### Pressure:

Hoses: -75 / 130 mBar

RTO : -100 / 100 mBar

#### Temperature:

Hoses: -35 / 80 °C

RTO : -10 / <50 °C

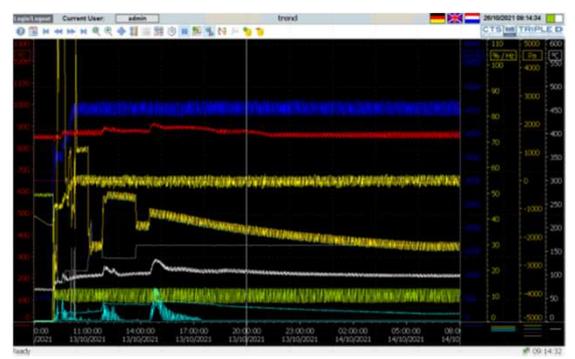
#### Flow [m³/h]:

5000 m³/h at <20%LEL

150 m³/h at >500%LEL

### TREND ANALYSIS

- Temperature
- %LEL
- Flow
- Pressure
- Vacuum
- Valve positions





# EFFLUENT

## Temperature

Inside RTO 850 to 930 °C

Stack: 80 °C (autotherm operation)  
385 °C (maximum high LEL load)

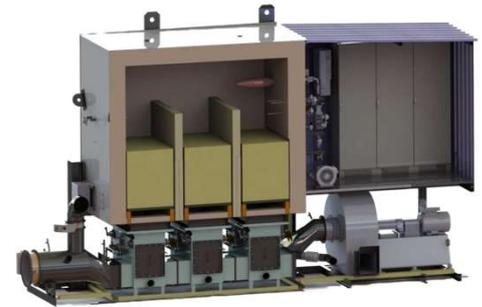
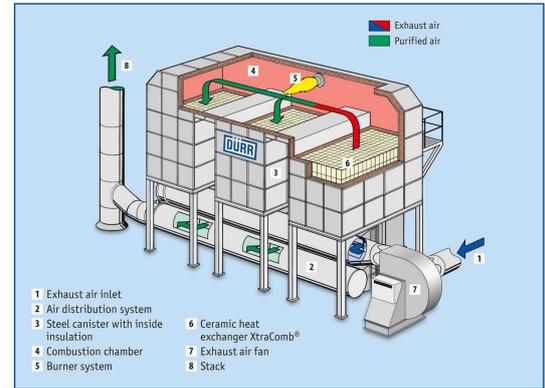
## Emissions (averages based upon NoBo measurements)

NOx : 9,2 mg/Nm<sup>3</sup> (average for project)  
<2,2 mg/Nm<sup>3</sup> at autotherm operation

CO : 42 mg/Nm<sup>3</sup>

CxHy : 27 mg/Nm<sup>3</sup>

Benzene : 0,23 mg/Nm<sup>3</sup>

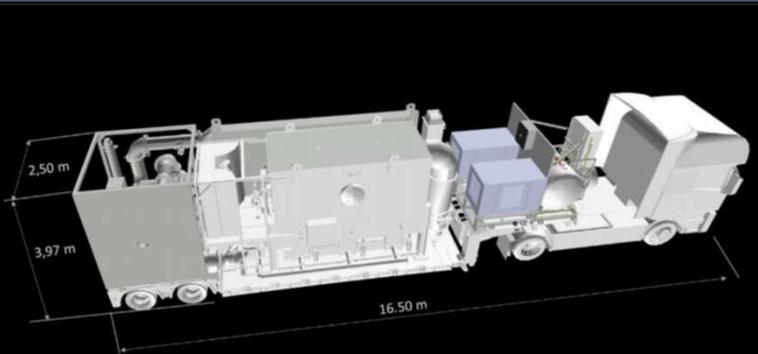


# REMOTE CONTROL & MONITORING



The mobile RTO allows for un-manned operation. The system can be remotely monitored and controlled. An additional screen can be offered to the client that provides live data about the RTO process and influent parameters

# DIMENSIONS



# CONTACT

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