

PROCAL

EXAMPLES OF PULSI 200 INSTALLATIONS

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Continuous Emission Monitoring In-situ Stack Gas Analysers

- Compliant / Certified
- Reliable / High Availability
- Low Maintenance
- Complete CEMS/AMS package
- Cost Effective



European
EN14181
QAL 3
Compliant

US EPA
40 CFR
Part 60&75
Compliant





ORICA

Australia

Industry: Nitric Acid
10 x Pulsi 250

Duty:

Control / CEM

Ranges:

NO	0-500	ppm
NO	0-2,500	ppm
NO ₂	0-300	ppm
NO ₂	0-1,500	ppm
N ₂ O	0-5,000	ppm



Clark Oil

United States of America

Industry: Petrochemical
1 x Pulsi 220

Duty:

CEM

Ranges:

SO ₂	0-2,500	ppm
CO ₂	0-25%	



Dyno Nobel

Canada

Industry: Nitric Acid
5 x Pulsi 270

Duty:

Control / CEM

Ranges:

NO	0-450	ppm
NO	0-9,000	ppm
NO	0-4%	
N ₂ O	0-500	ppm
N ₂ O	0-1%	
CH ₄	0-8,000	ppm
CO ₂	0-5%	



Jaguar

United Kingdom

Industry: Automotive
5 x Pulsi 220

Duty:

Control / CEM

Ranges:

CO	0-2500	mg/Nm ³
CO ₂	0-10%	



BHP

Australia

Industry: Steel
3 x Pulsi 230

Duty:

Control / CEM

Ranges:

NO

0-600 mg/Nm³

SO₂

0-300 mg/Nm³

NH₃

0-100 mg/Nm³



Caltex

Australia

Industry: Petrochemical
8 x Pulsi 260

Duty:

CEM

Ranges:

NO

0-500 ppm

NO₂

0-500 ppm

SO₂

0-2,000 ppm

H₂O

0-15%

CH₄

0-8,000 ppm

CO₂

0-15%



Abitibi Bowaters

Canada

Industry: Biomass
2 x Pulsi 260

Duty:

CEM

Ranges:

CO

0-2,000 ppm

NO₂

0-300 ppm

SO₂

0-300 ppm

H₂O

0-30%

NO

0-800 ppm

CO₂

0-15%



Perry Lime

New Zealand

Industry: Cement & Lime
1 x Pulsi 250

Duty:

Control / CEM

Ranges:

SO₂

0-1,000 mg/Nm³

NO_x

0-400 mg/Nm³

CO

0-250 mg/Nm³

CO₂

0-20%

H₂O

0-20%



P&O Pride of Kent

United Kingdom

Industry: Marine
1 x Pulsi 230

Duty:	Control / CEM	
Ranges:	SO ₂	0-250 ppm
	NO _x	0-1,500 ppm
	CO ₂	0-6%

Sample Temperature 500°C



Spolana

Czech Republic

Industry: Chemical
3 x Pulsi 240

Duty:	CEM	
Ranges:	CO	0-250 ppm
	NO	0-500 ppm
	SO ₂	0-1,000 ppm
	H ₂ O	0-20%



Olsztyn

Poland

Industry: Community heating
1 x Pulsi 240

Duty:	CEM	
Ranges:	CO	0-200 ppm
	NO	0-200 ppm
	SO ₂	0-600 ppm
	H ₂ O	0-20%



And Many More

PROCAL

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