

#### Reliable

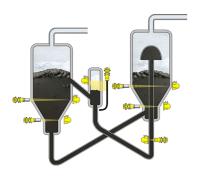
Non-invasive measurement ensures highest plant availability

## Cost effective

Lightweight design reduces mounting costs

#### **User friendly**

External mounting does not interrupt the process



# Fluid catalytic cracking unit

# Density, level measurement and point level detection in the reactor

Fluid Catalytic Cracking (FCC) is one of the most important conversion processes used in petroleum refineries. As with many other refining applications, the vessels in the reactor system need to be operated and controlled at their optimum levels, as this is critical for the process productivity. Maintaining the proper levels also ensures that the expensive catalyst is used at maximum efficiency, with no waste.

#### More details



### **POINTRAC 31**

Radiation-based sensor for point level detection

- Accurate measuring results independent of process conditions
- Non-contact operation is unaffected by buildup
- External mounting does not interrupt the process

## **Show Product**



# **FIBERTRAC 31**

Radiation-based sensor for continuous level measurement

- Lightweight construction eliminates need for cranes or special rigging for mounting
- Long detector length minimizes the need for additional platform construction

## **Show Product**



## **MINITRAC 31**

Radiation-based sensor for density measurement

- Compact and lightweight detector mounts easily
- External mounting does not interrupt the process
- Non-contact technology measures through vessel walls and obstructions
- Simple and intuitive setup

#### **Show Product**



Housing material

Protection rating

Stainless steel (precision casting)

Aluminium

IP66/IP67

Profibus PA

-40 ... 60 °C

Foundation Fieldbus

8/16 mA/HART - four-wire

Ambient temperature

IP66/IP67

Output

Profibus PA

Foundation Fieldbus

Ambient temperature  $-40 \dots 60 \, ^{\circ}\text{C}$ 

Four-wire: 4 ... 20 mA/HART