Crude Oil Analysis and Optimization

Upstream

- API
- Salt
- Water
- H2S
- Viscosity

Midstream

- API
- Sulfur
- TAN
- Salt
- Distillation

Downstream

- Distillation
- Flash point
- Freeze/Cloud point
- RON/MON/Cetane/etc.

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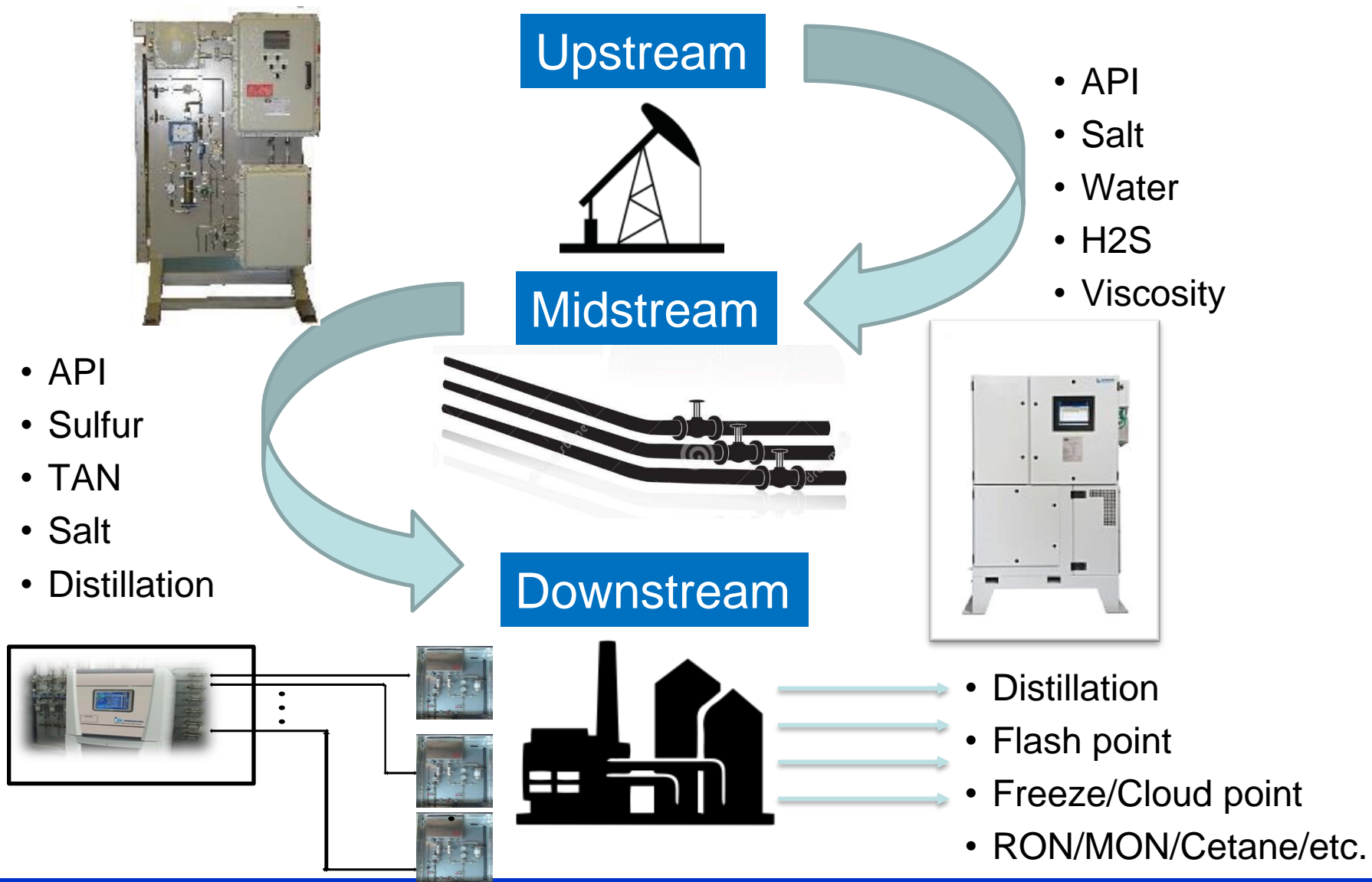
Refinery Process Analyzers

8 Field Units

Control Room

Up to 3KM
Standard communication
Fibers-Optic

DCS

Modbus
485 and/or TCP/IP

Ethernet

Remote PC
(ANACON Client)

Modem
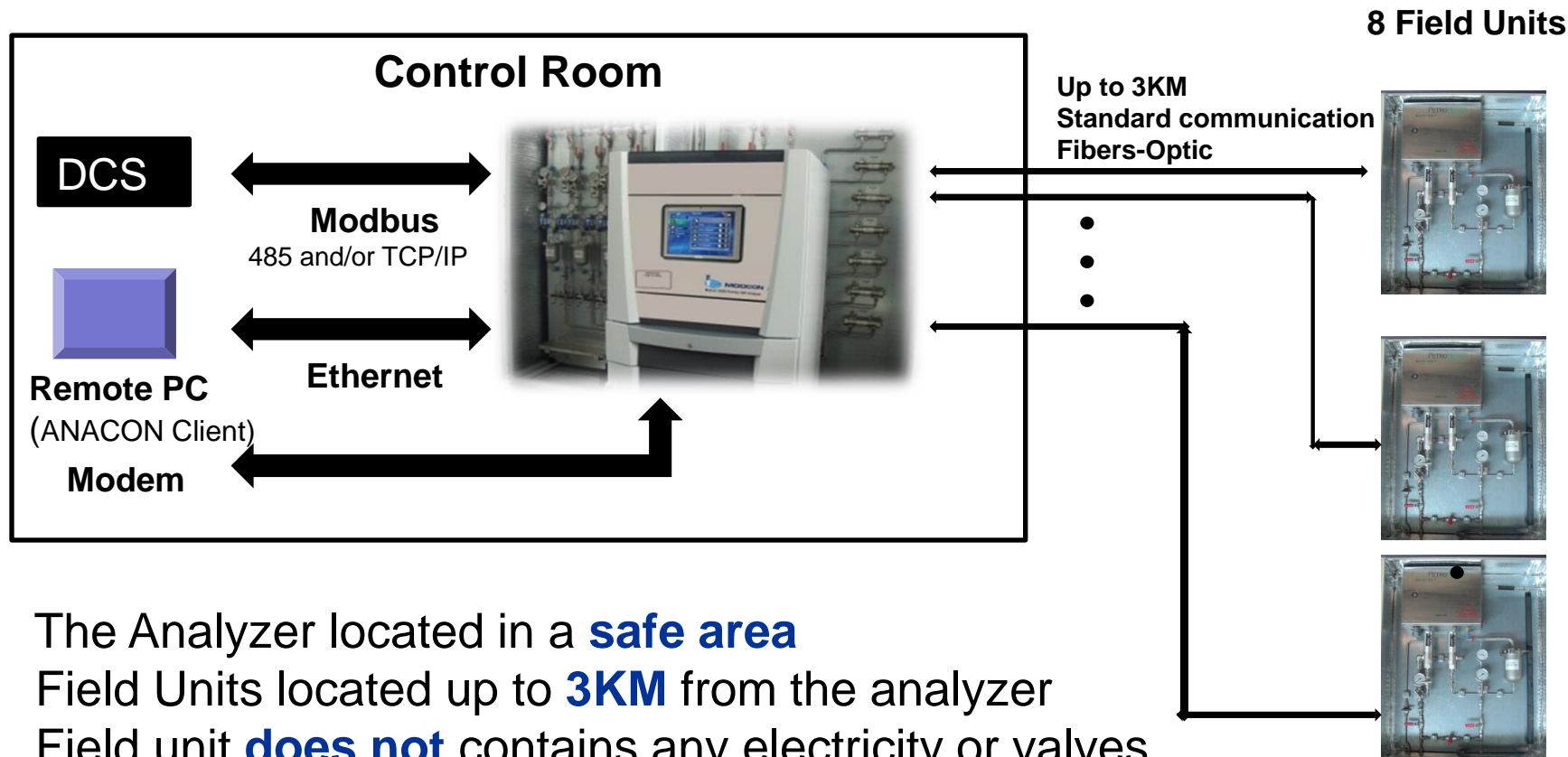
The Analyzer located in a **safe area**
Field Units located up to **3KM** from the analyzer
Field unit **does not** contains any electricity or valves
Use **standard** communication fibers-optic

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Natural Gas SCADA & IIoT Solutions

Control Room

- Process monitoring
- Anomalies detection
- Leak Detection
- Equipment diagnostics
- Preventive actions
- Quality control
- Optimization
- Profitability

Redundancy COMUNICATION

RTU 1 **Safety I/Os**

RTU 2 **Safety I/Os**

RTU 3 **I/Os**

Wireless Security Communication

I/Os

I/Os

I/Os

Field Instrumentation

Quantitative Measuring

Quality Measuring

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