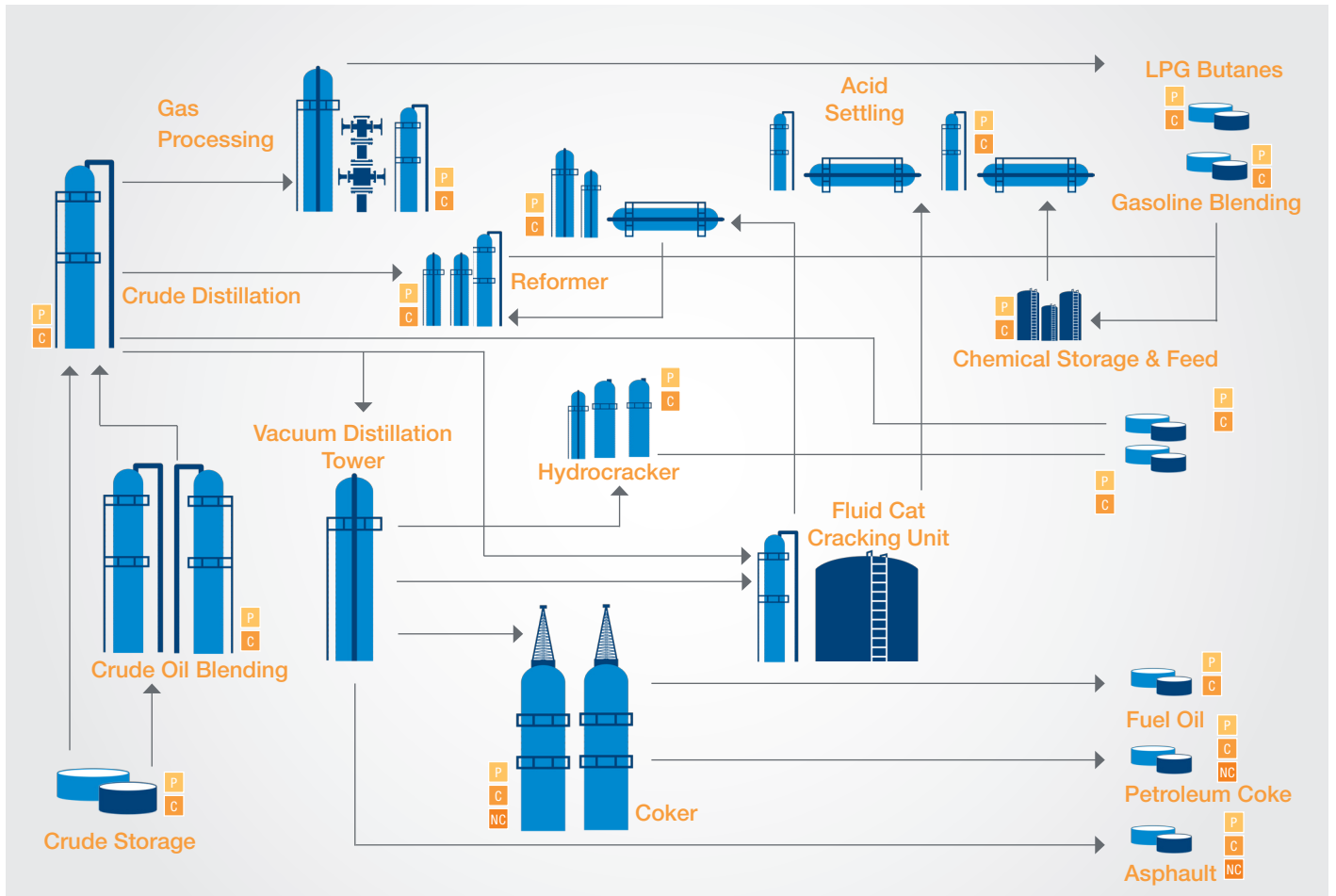


Oil refinery





Industry specific process diagram

ABB uses advanced technologies to accurately measure and control levels in storage and process equipment in refineries around the world. Liquids and solids ranging from crude to coke, to intermediates, to paraffin and condensate are measured with our products. Refineries can take advantage of ABB's wide range of magnetic level gauges, ultrasonic, guided wave radar, laser and magnetostrictive level transmitters, and point level and caged level switches.






Legend

- P
- C
- NC

Product		Features
	RS85 Vibrating Level Switch	<ul style="list-style-type: none"> - Immune to low to medium coating or build-up on sensor - Robust sensing element - Field selectable parameters with external magnet or internal push buttons (fail safe, density) - Extended probe lengths to 120" (3048 mm)
	MS50 Multi-Point Level Switch	<ul style="list-style-type: none"> - Up to six SPDT switches per unit (NO and NC contacts) - Interface level capability - Trip points adjustable without removing vessel from service - Vibration resistant (Multi-float option only) - Suitable for high temperature applications - 316L stainless steel wetted parts standard
	TX Thermal Dispersion Switch	<ul style="list-style-type: none"> - One switch can be configured for either gas or liquid flow, liquid level, interface level or temperature - Explosion proof, no moving parts - Temperature range of -320°F to 900°F (-195°C to 482°C) - Pressure to 10,000 psig (689 bar) - 316L stainless steel all welded construction standard
	LS Series Mechanical Level Switch	<ul style="list-style-type: none"> - One step switch point adjustment - Precision fabricated floats and displacers - Compact switching mechanism eliminates bulky housing and traditional bias springs - Easily retrofitted to most competitor models


C

Continuous Level Measurement

Product	Features
 <p>MT5000/MT5100 Guided Wave Radar Transmitters</p>	<ul style="list-style-type: none"> - Radar signals travel along the waveguide - eliminates false echoes - High signal strength with low power consumption - The MT5000 provides reliable level measurement over varied process conditions. - Distance 2 to 200 ft. (61 m) - True level measurement regardless of temperature and pressure changes
 <p>AT100 Magnetostrictive Level Transmitters</p>	<ul style="list-style-type: none"> - High accuracy: .01% of full scale - Loop powered to 75' (22M) probe length - Total and/or interface level measurement - Pressure to 3000 psig (207 bar), Std. 1800 psig (124.1 bar) - Temperature range: -320 to 800°F (-196 to 427°C)
 <p>KM26 Magnetic Level Gauge with AT200 Magnetostrictive Level Transmitter</p>	<ul style="list-style-type: none"> - Highly visible level indication with no process fluid in contact with the glass - All construction in-house by code certified welders - Float designed and weighted for maximum accuracy - Transmitter and switch options, which can be installed, adjusted and maintained with no process interruption - Safe for corrosive, flammable, toxic, high temperature and high pressure applications

NC

Non-Contact Level Measurement

Product	Features
 <p>LM80/LM200 Laser Level Transmitters</p>	<ul style="list-style-type: none"> - The LM80/LM200 lasers are robust laser transmitters that can accurately measure level, distance and position over long ranges in extreme environments. - LM80's long range is to 200 ft./60 m - LM200's long range is to 500 ft. / 150 m - No beam divergence = no false echoes - Measure surface at any angle with narrow beam

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Sales



Service