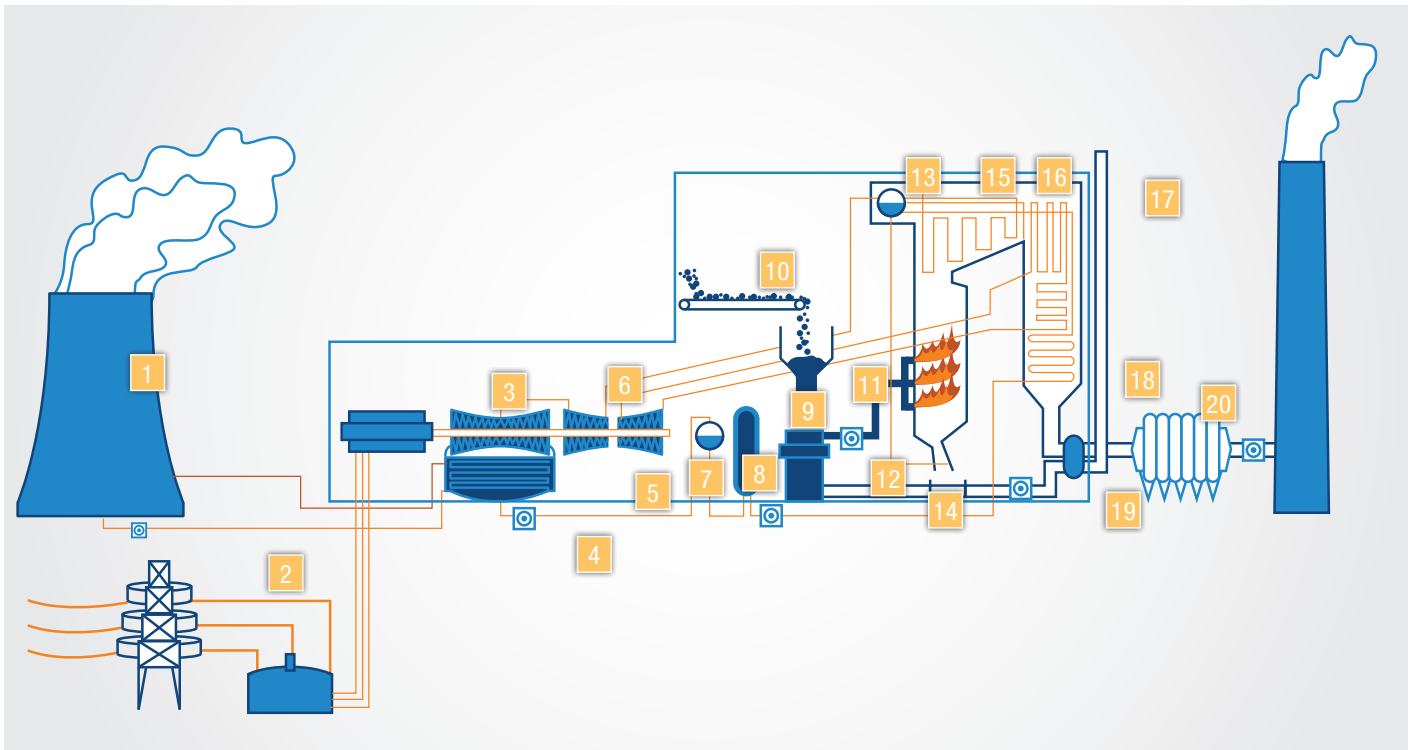


Power generation Industry specific process diagram

ABB offers advanced technologies that accurately and consistently provide process level measurement & control in power plant environments such as coal-bunkers, feedwater heaters and boilers, condensate drip legs, and fly ash silos. In an effort to improve plant heat-rate and overall system efficiencies, power-generating facilities around the globe are rapidly upgrading antiquated level instruments with ABB products. Virtually any plant fuel type including coal, gas, hydro, nuclear, or combined cycle can take advantage of ABB's magnetic level gauges, magnetostrictive level transmitters, guided wave radars, lasers, ultrasonics and cage level switches.



Legend

- | | |
|----------------------------------|-----------------------------|
| 1. Cooling Tower | 11. Coal hopper/tripper car |
| 2. Cooling water pump | 12. Pulverized fuel mill |
| 3. Low pressure turbine | 13. Boiler drum |
| 4. Boiler feed pump | 14. Ash hopper |
| 5. Condenser | 15. Super heater |
| 6. Intermediate pressure turbine | 16. Reheater |
| 7. High pressure turbine | 17. Air intake |
| 8. Deaerator | 18. Economizer |
| 9. Feed heater | 19. Air preheater |
| 10. Coal conveyor | 20. Precipitator |

Product		Features
	<p>KM26 Magnetic Level Gauge</p>	<ul style="list-style-type: none"> - Ideal for feedwater heaters - 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
	<p>MT5000/MT5100 Guided Wave Radar Transmitters</p>	<ul style="list-style-type: none"> - Ideal for fly ash silos - 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. - True level measurement regardless of temperature and pressure changes - The MT5100 provides reliable level measurement for upper fluid and interface-levels simultaneously.
	<p>LM80/LM200 Laser Level Transmitter</p>	<ul style="list-style-type: none"> - Ideal for coal bunkers and tripper car position - 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

Product		Features
	<p>AT100/AT200 Magnetostrictive Level Transmitters</p>	<ul style="list-style-type: none"> - Ideal for dearaters - High accuracy: 0.01% of full scale - Simple calibration - Never requires re-calibration - Dual compartment housing with separate field terminal compartment - Loop powered to 75ft (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>LS Series Mechanical Cage Level Switch</p>	<ul style="list-style-type: none"> - Ideal for condensate drip legs - Rugged and robust chamber design for demanding applications - 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
	<p>MagWave Dual Chamber Level System</p>	<ul style="list-style-type: none"> - Ideal for boiler drums - Highly visible level indication - Single probe guided wave radar transmitters (no need for coaxial probes) - Compact close-coupled chambers - Separate chambers provide unobstructed float travel - Extruded outlets and smaller chamber sizes - Precision fabricated floats

Contact us

ABB Inc.

18321 Swamp Road
Prairieville, LA 70769 USA
Phone: +1 225 673 6100
Service: +1 225 677 5836
Fax: +1 225 673 2525
E-mail: quotes.ktek@us.abb.com
Service e-mail: ktek-service@us.abb.com

ABB Inc.

585, Boulevard Charest E., Suite 300
Quebec, QC Canada G1K 9H4
Phone: +1 418 877 2944
Service: +1 800 858 3847
Fax: +1 418 877 2834
E-mail: qc_rfq@ca.abb.com
Service e-mail: laserscanner.support@ca.abb.com

ABB Engineering (Shanghai) Ltd.

No. 5, Lane 369, Chuangye Road
Kangqiao Town, Pudong District
Shanghai, 201319, P.R. China
Phone: +86 10 64231407
Service: +86 21 61056421
Fax: +86 10 64371913
E-mail: shan.li@cn.abb.com
Service e-mail: rola.li@cn.abb.com

ABB Limited

Salterbeck Trading Estate
Workington, Cumbria, England CA14 5DS
Phone: +44 7885333752
Service: +44 145 3826661
E-mail: enquiries.mp.uk@gb.abb.com
Service e-mail: abb.service@gb.abb.com

www.abb.com/level

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Sales



Service