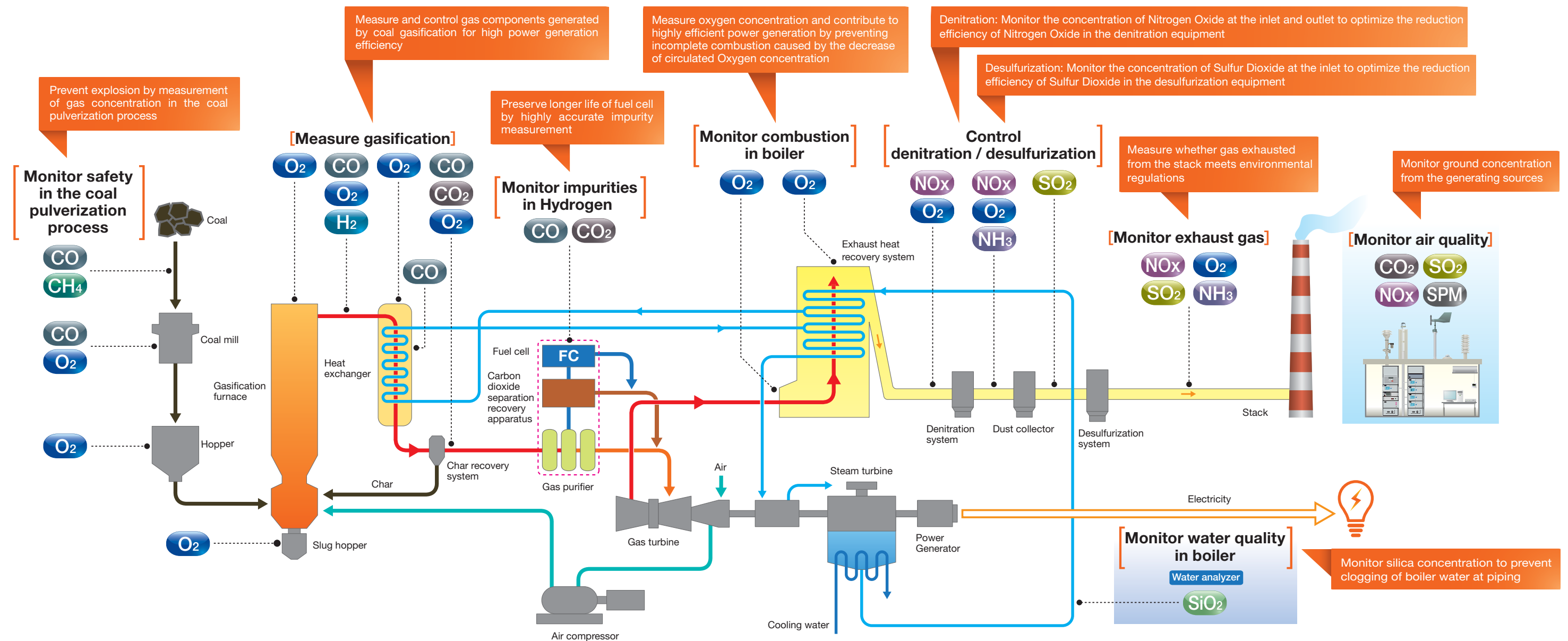


Contributes to Highly Efficient Thermal Power Generation

Various Measurement and Monitoring for IGFC and IGCC Plants

IGCC (Integrated Coal Gasification Combined Cycle) generates electricity by gasification of coal and using it as fuel for gas turbine. It is a highly efficient power generating technology which simultaneously operates the boiler by using exhaust heat and generates electricity by steam turbines. IGFC (Integrated Coal Gasification Fuel Cell Combined Cycle) is placed in front of the IGCC gas turbine and is a technology that uses fuel cells to generate electricity from Hydrogen gas generated from coal. IGFC has higher efficiency power generating technology than IGCC which is said to have a 55% of power generating efficiency and reduce carbon dioxide by 30% lower than the conventional method. (In-house investigation as of 2019)



Stack Gas Analyzer ENDA-9000/C9000 Series



- Meets customers measurement needs in fuel and power generation systems such as coal, oil, LNG and latest IGFC, IGCC
- Simultaneous and continuous measurement of up to three components by one unit (NO_x, SO₂, CO, O₂, NH₃)
- Meets the specification requirements from electric power companies

Stack Gas Analyzer ENDA-5000 Series



- Measures gas emitted not only from power plants but also from incinerations plants and petrochemical plants
- Simultaneous and continuous measurement of five components (NO_x, SO₂, CO, O₂, NH₃)
- Long term stability by Cross Flow Modulation type NDIR

Trace Gas Analyzer GA-370



- Monitors trace impurities such as H₂, N₂, O₂ for quality control at gas manufacturing facilities
- Continuous measurement of up to two components among CO, CO₂ and CH₄
- Long term stability by Cross Flow Modulation type NDIR
- Minimum detection limit of 10ppb

Multi Component Gas Analyzer VA-5000 Series



- Multi gas analyzer that can be used in various application from scientific experiments and research to exhaust gas measurement
- Continuous measurement of up to four components (CO, CO₂, CH₄, N₂O, NO, SO₂, NH₃, O₂)
- Covers a wide range of measurement with one unit whether the concentration is low or high
- Optimal measurement range can be always selected. Equipped with a high sensitivity detector

Silica Analyzer SLIA-5000



- Monitor Silica in boiler water
- Short measuring time which is 5 minutes with high repeatability
- Wide measurement range with a high sensitivity range of 0-10µg/L to a high-concentration range of 0-5.0mg/L

Ambient CO₂ Monitor APCA-370



- Suitable for air monitoring, air background measurement and research applications
- Long term stability by Cross Flow Modulation type NDIR as optical alignment is unnecessary
- Minimum detection sensitivity of 0.5ppm