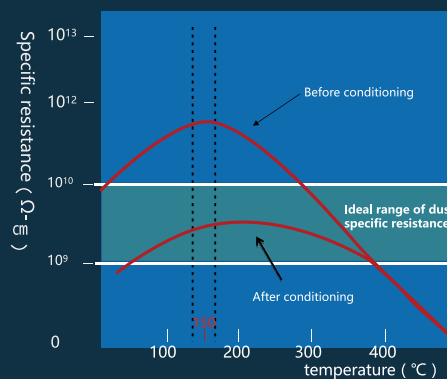
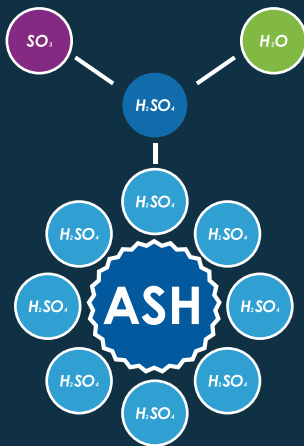


## FLUE GAS CONDITIONING SYSTEM

The addition of Flue Gas Conditioning (FGC) allows coal-fired boilers to burn a wider variety of coals, including high ash coals and low sulfur coals. The burning of low sulfur coal reduces the efficiency of the associated electrostatic precipitators (ESP), which collect the ash from coal-fired stations. By injecting a small quantity of sulfur trioxide into the flue gas steam, FGC significantly improves the working efficiency of an ESP. It is the most proven cost-effective solution for the reduction of sulfur oxides consistent with lowest possible particulate emissions.



To satisfy new emission regulations, Dual Flue Gas Conditioning (DFGC) may be required. Simultaneous injection of gaseous sulfur trioxide and ammonia into the flue gas stream has saved power plants millions of dollars by allowing existing ESPs to burn difficult fuels while meeting emission limits. Compared to pricy baghouses or ESP reform, FGC is the most effective way to reduce emissions.

## WHY CHOOSE LANDSTRONG:

- 20+ years in the power generation industry
- 20+ FGC system installations
- Cost effective
- Guaranteed performance and reliability
- Highly trained professional engineers and designers
- ISO compliant

Aftermarket services: support for startup and commissioning, regular maintenance, spare parts, equipment upgrades

The result: cost savings, guaranteed performance, and a better environment!



### Our clients say:

*"With Dual Flue Gas Conditioning, our 2x600MW units passed the emission standard of 5mg/m<sup>3</sup>. We don't need to worry about burning low sulfur (0.8%) and high ash (40%) content coal anymore."*

---China Wangtan Power Plant

