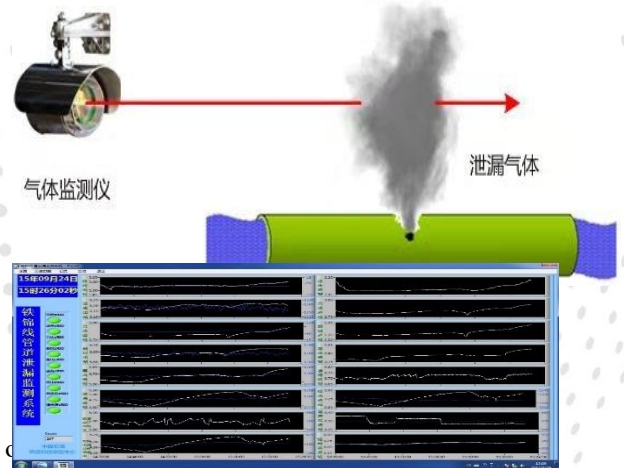


## Leak Monitoring

Adopt leak monitoring technology to monitor oil and gas pipelines and stations in real time, quickly and accurately determine the location of leakage, timely deal with emergencies, reduce losses to the minimum, ensure the normal operation of oil field production. Andong Detection is an independent third party detection and monitoring organization in China that has carried out research on oil and gas pipeline leakage monitoring technology and has an independent equipment service team.

### Technical Feature

- Gas leak monitoring
  - High security and can be detected remotely
  - High sensitivity, able to detect small leakage
  - High accuracy, free from interference by other gases
  - Easy to maintain, no need for frequent calibration and calibration
  - Faster response times
  - Longer service life



- Liquid pipeline leak monitoring technology

- It can be used in the long pipeline of crude oil and refined oil

The sudden leakage above the instantaneous flow is located for alarm

- Alarm for slow leakage above 1% instantaneous flow rate
- The monitoring mileage of a single stage of the leakage monitoring system reaches 90 km
- Alarm response time is 120~300 seconds
- The positioning error of leakage point is less than 200 meters

### Service Scope

- Suitable for all kinds of pipelines transporting crude oil, refined oil and natural gas
- Suitable for natural gas pipelines in cities

### Qualification

- 96 sets of monitoring facilities for leak detection
- 3 monitoring and evaluation technical teams

### Service Performance

- At present, it effectively monitors more than 690 pipeline sections and stations with hidden risks, involving more than 50 long-distance transmission pipelines

The total application mileage of crude oil pipelines such as Moda Line, Qingtiexi Line, Fourth line, Daqing Line and Tiejn Line, as well as refined oil pipelines such as Gangzao line and Lanzhengchang line, exceeds 10,000 km

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