

# Global Coal Inspection & Testing Services

## Why Cotecna

- > Swiss group founded in 1974
- > Global network of over 3,000 employees in more than 100 offices & certified laboratories across approx. 50 countries
- > Use of E-dox™, an innovative solution to issue digital certificates
- > Efficient and responsive services, customised to clients' needs

## Accreditations, Certifications & Memberships

- > ISO 9001:2015
- > ISO 17020:2012 ANAB – for the service of Verification of Conformity
- > ISO 17025:2005 – for individual laboratories
- > TIC Council

## Value Proposition

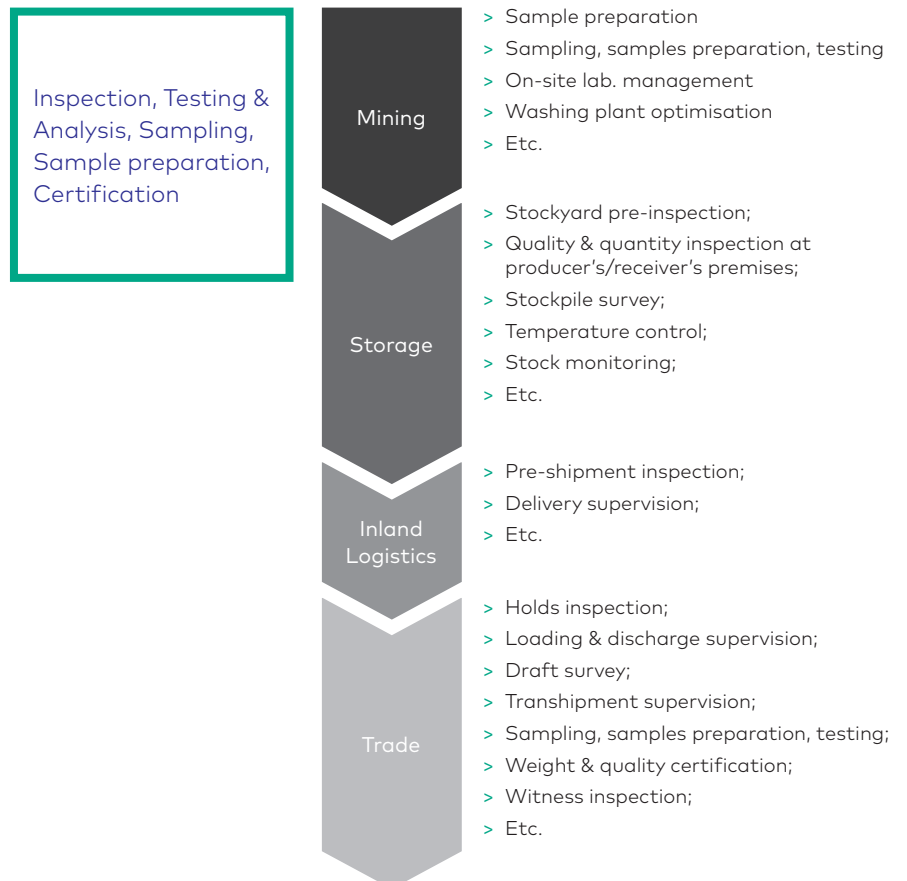
Cotecna is a leading provider of testing, inspection and certification services. We offer solutions to facilitate trade and make supply chains safer and more efficient for our clients.

Cotecna has a global network of accredited laboratories and offices, strategically located to cover the most important centres of coal trading, including: Colombia, Russia & Ukraine, South Africa & Mozambique, Indonesia, China, India, Thailand, Vietnam, Philippines, Turkey, Egypt, and Spain.

Our inspection and testing services for coal help clients in high risk, comply with contractual or regulating obligations, and make business more transparent and sustainable.

## Services

Cotecna has wide range of services for coal and coke throughout the supply chain, from producers to final users:



## Laboratory Capabilities

- > Proximate analysis
- > Ultimate analysis
- > Calorific value
- > Ash composition & fusion temperature
- > Trace elements
- > Coking tests
- > Phosphorous, chlorine, fluorine
- > Petrographic analysis
- > Hardgrove Grindability Index
- > Spontaneous combustion determination
- > PSD analysis
- > Crucible swelling number / Free Swelling
- > Index
- > Etc.

## Minerals & Metals Inspected

- > Ores
- > Concentrates
- > Steel products
- > Other ferrous & non-ferrous metals
- > Scrap metals
- > Fertilisers
- > Other minerals
- > Etc.