Basic & Detail Engineering
- Project management
- Basic engineering: process definition, specification of equipment, layout planning, also in 3D
- Static calculation of plant equipment
- Safety analysis
- Detailed Engineering: Equipment drawings, automation and I&C-planning, engineering of pipeworks

Supply - Erection - Supervision of Erection and Commissioning
- Supply of key equipment as well as process equipment
- Supply of complete by-product plants in cooperation with partners
- Delivery to site
- Erection of delivered supply
- Supervision services for erection and commissioning of equipment delivered by DMT as well as equipment delivered by other parties

Consulting Services
- Troubleshooting in existing plants: assessment of actual process performance for aspects of gas and water quality, environmental requirements and demand of maintenance
- Bottleneck identification with recommendations for improvement
- Definition and ranking of measures to overcome the identified limitations of the investigated equipment
- Strategy plan detailing short, medium and long term measures: modification of operation procedures, equipment modification and optimization, recommendation of new equipment
- Feasibility study for green-field projects as well as brown-field projects - new equipment, revamping or refurbishment of complete by-product plants or parts thereof
- Pre-Engineering with process definition

DMT GmbH & Co. KG
Industrial Engineering, Coke Oven Gas Technology
Am TÜV 1, 45307 Essen, Germany
Tel +49 201 172 - 1590
Fax +49 201 172 - 1241
ine@dmt-group.com
www.dmt-group.com

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By-Product Plant at Coke Plant
Ceara, Brazil

Design of the following Units of a complete By-product Plant for 88,000 Nm³/h coke oven gas:
- Primary gas cooler
- Electrostatic tar precipitator
- Gas exhauster
- Ammonia and hydrogen sulfide scrubbing system
- BTX scrubber
- Ammonia still and de-acidifier
- Wash oil regeneration plant
- Caustic soda dosing unit
- Crude benzene storage

Contract includes:
- Basic engineering of the mentioned units in the by-product plant
- Delivery of the key components for the process
- Erection supervision and commissioning

This Project is accomplished in Partnership with Paul Wurth Italia S.p.A., Italy

Replacement of a Primary Gas Cooler
at Coke Plant Bottrop, Germany

Design and Delivery of a Primary Gas Cooler Replacement of Equipment in an existing plant during Operation
- Primary gas cooler

Contract includes:
- Basic and detail engineering
- Delivery of gas cooler
- Erection
- Supervision
- Commissioning
- (Turn Key)

By-product Plant at Coke Plant
Bhilai, India

Design of the following Units of a complete By-product Plant for 55,000 Nm³/h coke oven gas:
- Tar separation
- Primary gas cooler
- Electrostatic tar precipitator
- Gas exhauster
- Ammonia and hydrogen sulfide scrubbing system
- Naphtalene scrubber
- Gravel filter
- Claus plant
- Ammonia still and de-acidifier, wash oil regeneration

Contract includes:
- Basic and detail engineering
- Delivery of key components for the process
- Erection supervision and commissioning

This Project is accomplished in Partnership with McNally Bharat Engg., India