

## Material Testing Laboratory



# Material Testing Laboratory

Our laboratory offers a wide range of industrial material testing. We can confirm the quality of materials by inspecting them according to the standards. During the production of metal structures we can support the basic conditions of Risk Based Maintenance.

With NDT inspection joined to the Maintenance we provide data on how the equipments wear out. Using our results and data you can plan the further conditions of operations and you can calculate the lifetime of structures and equipments. If machines and structures are damaged, we perform analysis assisted by experts, so we can explore the reasons of the malfunction. We provide some solutions on how to avoid these failures.

We function as an associate to the TÜVRheinland Group, helping them with their jobs in certification and technical supervision. Working together with laboratories from Köln, other parts of Germany and from over the Atlantic we are present on the international market.

We improve our capability continuously.

We are amongst the first who adopt the latest and most up-to-date methods and inspections, by which we intend to be clearer and more precise.

## TEST AREA

### Product Qualification

- Welding seams
- Forgings
- Sheet metal
- Pipes
- Castings
- and all the products which was manufactured by the method mentioned.

### Testings during Maintenance

- Power Plants
- Oil and Gas Industry
- Chemical Industry
- Building and Structures
- Mobility
- and all the operating equipment

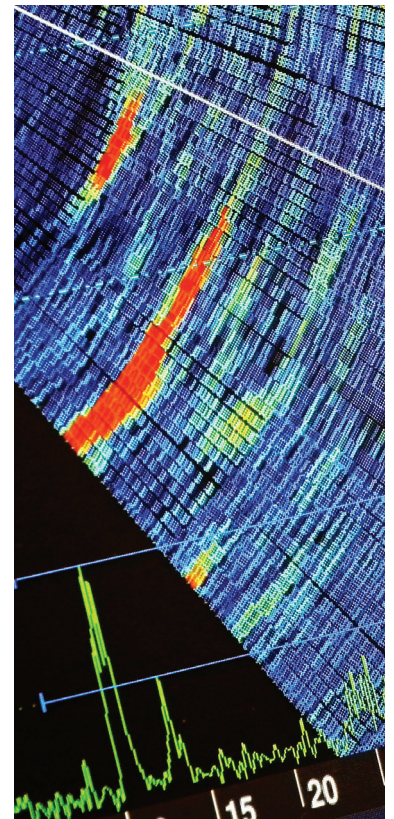
## OUR METHODS

### Destructive Testings

- Tensile Stress Test
- Bending Test
- Notch Impact Test
- Hardness Test
- Metallography

### Non Destructive Testings

- MT Magnetic particle testing
- PT Dye Penetrant testing
- VT Visual testing
  - videoendoscopy
- UT Ultrasonic testing
  - Phased Array Ultrasonic
- ET Eddy Current testing
- RT Radiography
- LT Leak testing
- AT Acoustic emission



**FOR MORE INFORMATION PLEASE CONSULT OUR EXPERT!**

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The laboratory is accredited by the standard MSZ EN ISO 17025

Staff is certificated by the standard MSZ EN 473 on level 2 and 3