

**DURO ĐAKOVIĆ Research and Development Center Ltd.** former Institute „DURO ĐAKOVIĆ“,  
The present **COMPANY** for engineering and manufacturing services

- The screening and remediation of industrial and power equipment
- Supervision of welding works and certification systems
- Laboratory and field testing of materials and equipment

## **FIELD OF ACTIVITIES: TECHNOLOGIES, TESTING AND CALIBRATION TECHNOLOGIES**

- preparation and verification of welding technologies
- training and verification of welders
- testing, verification and calibration of welding equipment

## **TESTING**

- testing carrying capacity of steel constructions
- mechanical testing of material
- chemical testing of material
- anti-corrosion testing
- non-destructive testing of materials (ultrasound, Röntgen, magnetic particle, penetrants)
- steel structures testing with maximal load
- testing of constructional maximal load and construction frequencies
- testing of wasted water
- environment protection (expertisesd, new technologies)

## **TRAINING**

- all kinds of training for welding technologies (REL, MIG, MAG, TIG, GAS)
- training for transportation vehicles (fork lift truck, crane etc)

## **ACTIVITIES WITHIN DEPARTMENTS**

## DEPARTEMENT FOR TESTING OF MATERIALS AND EQUIPMENT

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### FIELD OF ACTIVITIES:

- laboratory and field testing of materials, devices, and equipment for the building
- laboratory and field testing of technological procedures
- reception control products and services (materials, devices, equipment)
- supervision during producing, making and mounting equipment and installations

### LABORATORY FOR MECHANICAL TESTING

- mechanical testing of material: mechanics of fracture, strength tension, toughness, hardness

### NON-DESTRUCTIVE LABORATORY

- non-destructive testings: radiography and isotopes, ultrasound, acoustic emission, magnetic particles, penetrants

### LABORATORY FOR CHEMICAL TESTING

- testing of chemical composition of materials
- testing of coatings against corrosion
- testing wasted water

### LABORATORY FOR METALLOGRAPHIC TESTING

- testing of macro and micro structure of material
- testing by replicas

### LABORATORY FOR INDUSTRIAL AND POWER EQUIPMENT

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### FIELD OF ACTIVITIES:

- valuation of the life cycle and residual work time of thermoenergetical systems

## DEPARTMENT FOR WELDING

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FIELD OF ACTIVITIES:

- supervising of welding business
- certification of welders
- certification of welding technologies and procedures

FIELD OF EDUCATION:

- education of welders
- education for manipulators with construction vehicles
- education for manipulators of fork lift trucks and cranes