

# ENVIRONMENT ACTIVITIES

- 🔹 NORM
- 🔹 GENERAL SAFETY AND SECURITY
- 🔹 METROLOGY

## **NORM ACTIVITIES**

- 💧 Innovative **Radioactivity Monitoring and Mapping** of oil wells;
- 💧 **Construction of computerized systems** for monitoring of environmental parameters and pollution (e.g.: radiation contamination);
- 💧 **Staff education** with respect to Naturally Occurring Radioactive Materials (**NORM**) and Technologically Enhanced Naturally Occurring Radioactive Materials (**TENORM**);

## NORM ACTIVITIES

- 💧 Supply of **radiation monitoring handheld devices** certified for working in oil industry;
- 💧 Supply of automatic apparatus for periodic **measurement of radioactivity** of water;
- 💧 **Training of personnel for fire and emergency safety** - fire fighting and necessary actions during disasters and accidents;
- 💧 **Education and training of personnel for first-aid** for victims with various types of injuries – electricity, burns from fires, traumas, chemical accidents, allergies and others;

## NORM ACTIVITIES

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# GENERAL SAFETY AND SECURITY ACTIVITIES



- 💧 **Fire protection and accident safety;**
- 💧 **Overheating monitoring** of oil drill as well as refinery equipment.
- 💧 **Prevention** of local overheating of electric panels and reduction of the risk of fire;
- 💧 **Maximum current protection** with voltage protection and, if possible, defective current protection (differential current protection) of the equipment used in refineries;

# GENERAL SAFETY AND SECURITY ACTIVITIES



- 💧 **Process optimization and enhancement** of the reliability, safety and security of production processes in refineries, while improving energy and resource efficiency and economy;
- 💧 Supply of **specialized workwear kits for personal protection** for safer work when using petroleum products (e.g.: specialized gas masks).

# METROLOGY ACTIVITIES



- 💧 **Testing, calibration and certification** of radiation measurement devices for radioactivity monitoring;
- 💧 **Type approval of measuring instruments**, including any modification or addition to the approved type of measuring instruments;
- 💧 **Initial verification** of measuring instruments;
- 💧 **Subsequent verification** of measuring instruments;
- 💧 **Metrological expertise** of measuring instruments;

# METROLOGY ACTIVITIES



- 💧 **Calibration** of standards and measuring instruments which are **not** subject to control **under the Law on Measurements** and the normative acts for its implementation;
- 💧 **Dissemination** by calibration of units of **national standards** to the next in accuracy standards in the country;
- 💧 **Certification** of reference materials;
- 💧 Carrying out measurements and metrological **research** according to the technical capabilities of the **national standard laboratories**.