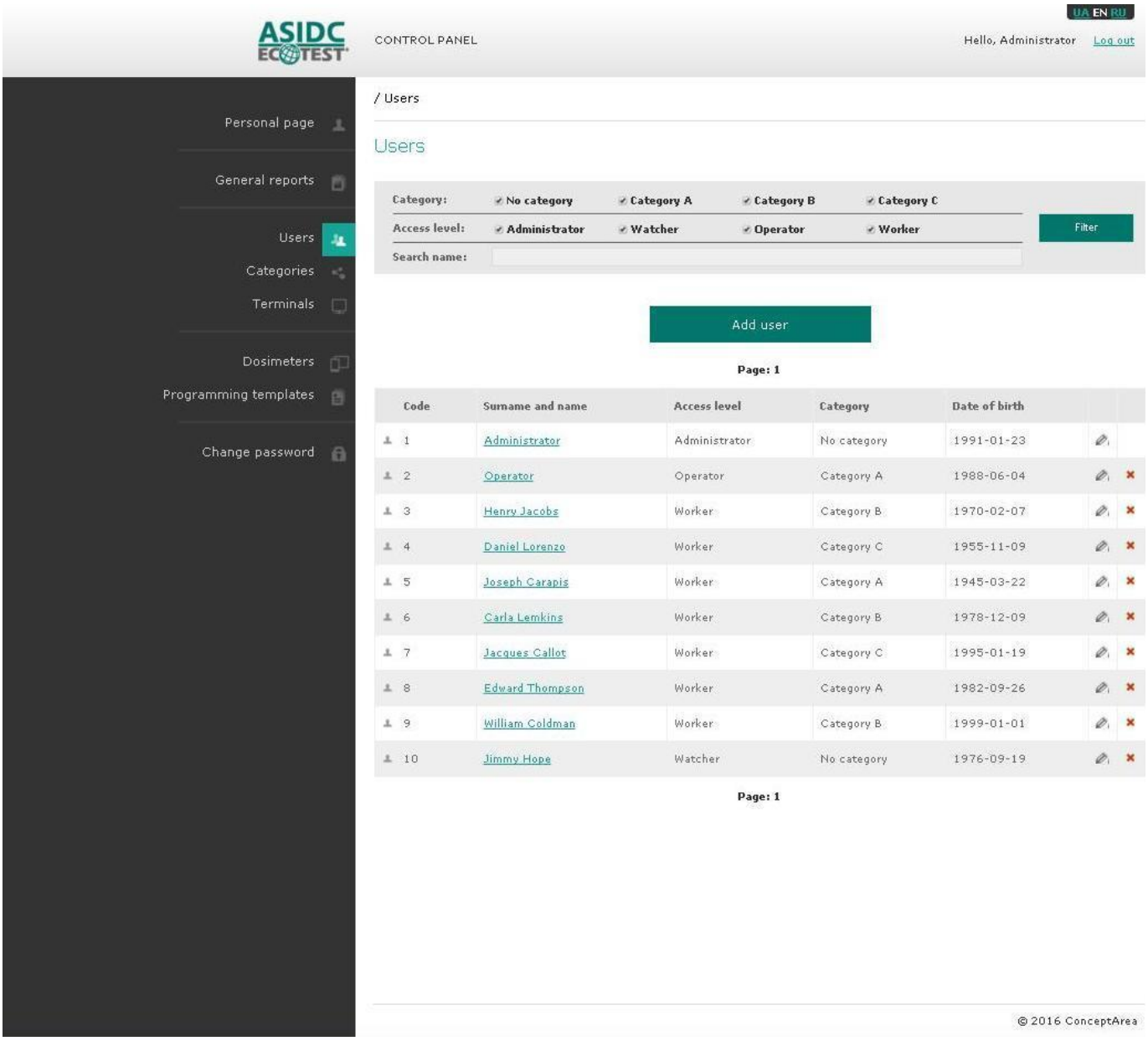
# Emergency dosimetric (EPD) kit

## Standalone automated system for individual dosimetry control

- Portable system for dosimetry control with standalone power supply
- Monitoring and evaluation of radiation exposure of the staff
- Protected performance for use in the field environment

# Description

Standalone portable kit for individual dosimetry control for emergency groups and teams of NPP radiation surveillance or State Emergency Service of Ukraine (SESU) task units has been developed on the basis of our new software ASIDC Ecotest. The kit is designed to measure individual dose equivalent of gamma radiation and keep automated database of accumulated dose of personnel of emergency groups and teams of NPP radiation surveillance or SESU task units during emergencies. Developed on the basis of DKG-21M gamma radiation dosimeters in the amount according to the customer needs (basic kit 56 pcs.) that meet the IEC 61526 international standard, and a laptop with water- and dust-proof casing. The system also includes the infrared port adapter, which provides data communication, and high quality protected case “Pelican”.




# Purpose of use

- Measurement of individual dose equivalent rate $H_P(10)$ of gamma radiation
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- Automated database support of accumulated dose of the staff
- Display of statistical information about dosimetric data
- Generation of various types of reports and their export to other formats, possible print-out in the presence of a wireless or other connection to printer

# Branches of Use

Nuclear power industry

Emergency Services and Civil Defense

# Features

- Support of the automated database of dosimetry measurements with an option of presentation of reporting information about the accumulated doses in a graphic and a tabular view, as well as export to .doc .xls and .xml formats.
- Data exchange between the dosimeters and the laptop is done through a contactless method using the IR port at a distance of up to 0.3 m.

# System configuration

- Laptop with water- and dust-proof casing
- DKG-21M personal gamma radiation dosimeters in the requested amount
- IR port adapter for reading
- ASIPDC Ecotest Software
- “Pelican” case