



Groupe INTRA

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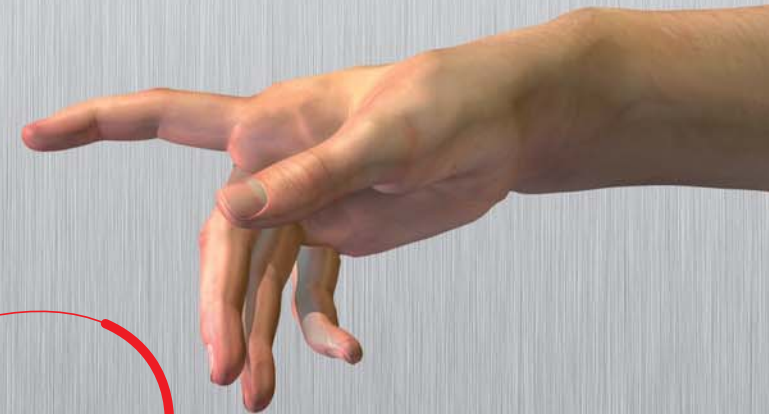
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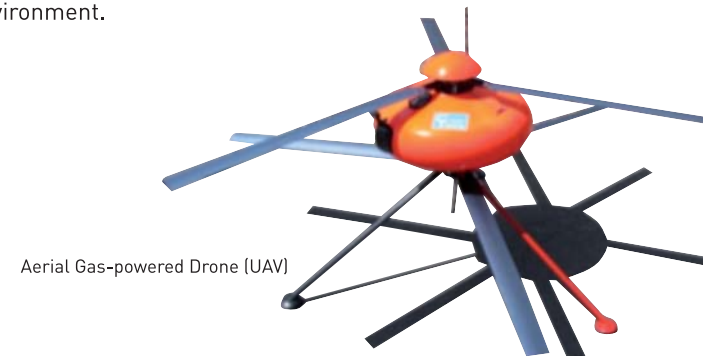
istory of the INTRA Group

In the aftermath of the nuclear accident in Ukraine at the Chernobyl power plant, the three major French nuclear power operators, EDF (producer of nuclear-powered electricity), CEA (nuclear research) and AREVA (fuel cycle processes and nuclear engineering), decided to pool their diverse resources for one common goal : to be prepared to react rapidly in the case of a similar emergency in France. Their aim is to have remote-controlled equipment available to intervene in the place of men. This decision gave birth to an Economic Interest Group, in charge of a stock of equipment ready to intervene within 24 hours in the event of a large-scale nuclear accident.



Missions of the INTRA Group

The missions assigned to the **INTRA Group** are to DESIGN, CREATE, OPERATE and MAINTAIN a fleet of robotic vehicles and equipment able to function in a radiological environment which could be hazardous for humans. The Group must also be prepared to intervene anywhere in the country within 24 hours to deploy its equipment upon request of the nuclear operators' emergency organizations and to carry out missions with state-of-the-art technology and expertise in robotic intervention in a hostile environment.



Aerial Gas-powered Drone (UAV)

Equipment Available

The remote-control equipment includes :

- indoor vehicles for operating in dangerous radioactive conditions inside buildings,
- outdoor vehicles for reconnaissance and for taking measurements around damaged buildings,
- drones for aerial reconnaissance and for taking measurements near installations, and
- civil engineering vehicles which may be driven from a shielded control station, protecting the operators from contamination and radiation.



ERASE Outdoor Vehicle



Civil Engineering Vehicles

This fleet also includes a radiological monitoring system carried by helicopter to chart contamination maps over several square miles of surface area, a radiological measurement system with radio-transmitting sensors and logistical support equipment.



HELINUC System carried underneath the helicopter



EOLE Indoor Vehicle



Radiological measuring sensor

