

A ROBOT-RESCUER EMILY

A.M.Zuy-group E-92

N.M.Usenko-EL Adviser

American company Hydronalix, which is specialized on the development of robots moving on water, showed a new invention under the name Emily-Emergency Integrated Lifesaving Lanyard.

Emily is a raft that can replace people-rescuers in the future. This robot is an electric autonomous floating device. Length of Emily is about 140 centimetres. In fact, it is a board for surfing dwelling of soft material, equipped by an engine and an impeller from gidrocykle. For the search of getting lost people Emily is equipped by a radio-locator.

Using sonar sensors robot Emily can find some moving in water characterized to people getting in a calamity.

The water-jet engine of the robot will allow it to speed up on water to 45 kilometres per hour, even during difficult weather terms.

A built-in video camera, a microphone and loud speakers will allow to the rescuers remotely to calm a man and give him detailed instructions and commands for the further actions.

A man will be got to a safe zone, holding this robot. Afterwards people-rescuers and doctors will examine victims.

A robot will be able to cover distance about 130 kilometres on one charge of storage batteries.

The leader of company Hydronalix, who worked out this robot, Tony Mulligan says that fully autonomous variant of robot Emily will cost about 3500 dollars.

In any case the robot will only help to rescuers. Because their experience in different difficult situations will not be replaced by a very advanced computer.