

Comunicação em rede AD-Hoc para auxílio em situação de emergência

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Abstract

The project focused on implementing a system specifically designed to help the node find safety during emergency situations, such as fires.

Communication and information sharing allow users to be guided to safe locations, even in environments where traditional communication infrastructure is compromised.

The node analyzes the security level of the area around you with the help of sensors and communicates this information to others so that everyone can map the safe areas and move there.



Exchange of CAM messages via
NAP-Vanetza,
Exchange of customized messages
through MQTT
Simulation APP running on the host
PC (simulation of GPS, sensors and
visualization)

The organization is done through an
ad-hoc network, and the simulation
includes some specificities of this
environment: such as the coverage
range between users.

Messages sent by
nodes outside the
range are discarded

