

Mobile Emergency Pro



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<http://www.disit.dinfo.unifi.it/mobemergency.html>

Mobile Emergency Pro is a solution for managing actions of maintenance and emergency for hospitals and/or large areas by using mobile devices.

It allows managing maps of hospitals/buildings offering the possibility to indicate and store the location of Points of Interest (POI): fire extinguishers, medical kits, ladders, emergency exits, tools, equipment, rooms. Thanks to this mapping, Mobile Emergency can help staff to reach these elements efficiently navigating within the structure. In particular, the system allows to identify personnel location by using QR code and GPS, and to find the location of emergency exits, gathering areas, and POI, with the opportunity to reach them by using the innovative indoor/outdoor navigation.

Mobile Emergency Pro allows users to:

- report by using a smartphone the presence of fault/emergency problem in the building,
- obtain the current status of its resolution,
- request immediate support,
- be aware of any changes and events,
- be guided towards the place of intervention/emergency in short time.



INFO	TYPOLGY	LOCATION	RESPONSIBLE	PUSH NOTIFICATIONS	AGG.	DATA SEGN.	DATA CHIUS.
+	FIRE	REPARTO ANESTESIA P.O. S. GIOVANNI	NOT ASSIGNED	SEND NOTIFICATION	1	2011-07-26 17:08:16	2011-07-26 17:08:16
+	FIRE	REPARTO	NOT ASSIGNED	SEND NOTIFICATION	1	2011-09-16 09:59:37	2011-09-16 10:06:55
+	EARTHQUAKE	REPARTO	NOT ASSIGNED	SEND NOTIFICATION	1	2010-12-29 17:43:52	2010-12-29 17:43:52
+	FIRE	REPARTO ANESTESIA P.O. S. GIOVANNI	NOT ASSIGNED	SEND NOTIFICATION	1	2010-12-29 10:23:07	2010-12-29 10:42:13
+	FIRE	REPARTO ANESTESIA P.O. S. GIOVANNI	NOT ASSIGNED	SEND NOTIFICATION	1	2010-12-29 10:20:14	2010-12-29 10:32:45
+	FIRE DUE FAULTY ELECTRICAL EQUIPMENT	REPARTO ANESTESIA P.O. S. GIOVANNI	NOT ASSIGNED	SEND NOTIFICATION	1	2010-12-28 22:17:05	2010-12-29 21:18:05
+	BLACKOUT	REPARTO ANESTESIA P.O. S. GIOVANNI	NOT ASSIGNED	SEND NOTIFICATION	1	2010-12-21 11:53:32	2010-12-21 21:12:22
+	COLLAPSE	REPARTO ANESTESIA P.O. S. GIOVANNI	NOT ASSIGNED	SEND NOTIFICATION	1	2010-12-21 11:43:12	2010-12-21 21:12:07
+	EARTHQUAKE	REPARTO ANESTESIA P.O. S. GIOVANNI	PIERFRANCESCO BELLINI 333...	SEND NOTIFICATION	1	2010-12-09 12:54:01	2010-12-09 12:54:52
+	COLLAPSE	REPARTO ANESTESIA P.O. S. GIOVANNI	PIERFRANCESCO BELLINI 333...	SEND NOTIFICATION	1	2010-12-09 12:52:05	2010-12-09 12:55:44
+	EARTHQUAKE	REPARTO ANESTESIA P.O. S. GIOVANNI	PIERFRANCESCO BELLINI 333...	SEND NOTIFICATION	1	2010-12-07 14:44:13	2010-12-10 10:34:43
+	DEPARTMENT BLACKOUT	REPARTO ANESTESIA P.O. S. GIOVANNI	PIERFRANCESCO BELLINI 333...	SEND NOTIFICATION	2	2010-12-07 14:36:51	2010-12-10 10:35:05
+	FIRE	REPARTO ANESTESIA P.O. S. GIOVANNI	PIERFRANCESCO BELLINI 333...	SEND NOTIFICATION	3	2010-12-07 09:23:20	2010-12-13 10:34:35
+	GAS CYLINDER FIRE	REPARTO ANESTESIA				2010-11-30	2010-11-30

Emergency/maintenance events are managed by a servers that can send direct messages to users by providing various suggestions, information, maps, directions, actions to be taken, etc. Mobile devices can be preloaded with all maps.

The application handles the collection of complex content: medical computers and guidelines, documents, images, videos, procedures, dividers, checklists, manuals, etc. These contents are useful as decision support and for educational purposes and are produced and downloadable from the support portal: for example <http://mobmed.axmedis.org>, but also from other portals.

For more information see the manual at: <http://mobmed.axmedis.org/mobempro/manual.pdf> or download the App at <https://itunes.apple.com/us/app/mobile-emergency-pro/id580488034?mt=8>

BENEFITS

- Increasing of the personnel efficiency and of hospitals structures, not just in relation to emergency, but also for distributed maintenance conditions localized for internal or external environments.
- Organizational capacity improving thanks to the detailed overview of the operations center.
- Reduction of maintenance and emergencies costs and incidents management.
- Centralized management of emergency/maintenance operations.

THE PERSONNEL

- Reaches the exact location of an emergency/intervention through an indoor/outdoor navigation system.
- Retrieves information of the status of the ongoing maintenance/emergencies.
- Retrieves the position in the hospital and gets the simplest feasible and updated path, to get out from the emergency affected area or to reach points of interest defined within the hospital through an indoor navigation system.
- Recovers and/o has access to procedures to be followed as: ACLS, BLS, etc. and/or checklists, decision support, dosages to be applied, any manual and tool you need, etc.
- Communicates its location to the central station to get assistance and in order to make it easier to organize the rescues.
- Retrieves information about harvesting areas defined by the operations center.
- Knows the location of the others operators present in the structure and communicates with them to request or provide medical assistance.
- Report the occurrence of an emergency situation and/or failure, adding to the reporting additional information (location, state of the situation, pictures and videos).
- Receives updates and directives from the operation Center by receiving messages.

THE OPERATION CENTER

- Receives and handles emergency calls or requests for assistance from mobile phones and other devices. Emergency conditions are coded according to their severity, measured in terms of patients and/or persons involved, their autonomy, etc.
- Tracks the evolution of servicing/maintenance, from the beginning to its solution.
- Identify personnel who needs some assistance, it knows the position (respecting privacy) and creates support teams by providing their information and instructions via a push notifications system.
- Manages the maps of the hospital structure and sets out the main points of interest: emergency exits, gathering areas, stairs, fire extinguishers, medical kit, etc..



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