C3M ■ INFORMATION SYSTEM C3M

Support tool for emergency and crisis planning, crisis management, execution and maintenance of crisis documentation
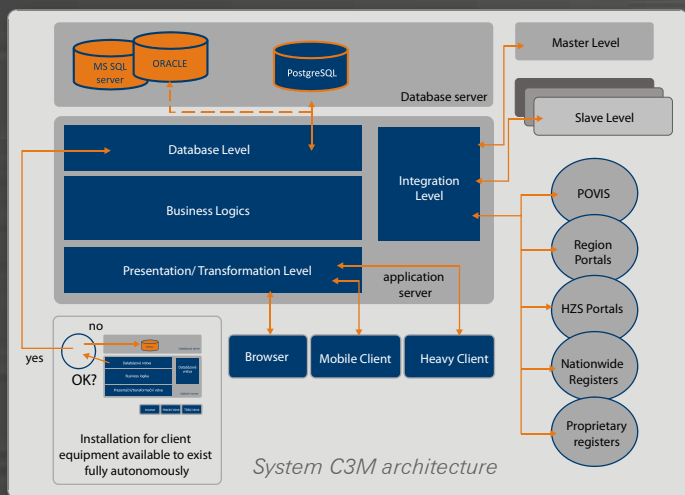
C3M – a software tool serving as a support for crisis managers and other persons being involved in crisis management and planning. C3M system focuses on the initial prevention and preparation phases as well as response and recovery phases. The system C3M collects, gathers and provides fast information necessary for resolving extraordinary and emergency situations and enables to record and track process course and consequent assessment of such events.

When resolving a crisis or emergency situation a key factor is easy handling with required information. Beside that it is necessary always to provide the user with data which he is allowed and authorised to access, revise and/or execute or modify and which are updated. Last but not least, with respect to information used during crisis situation it is necessary to provide its availability even in case of any interruption of connection with data source which provides it.

C3M system contribution lies in unified user interface, identical working procedures used upon creating and processing of data in a crisis as well as not critical periods and in availability of all necessary information in one place (from the user point of view). Thus an important presumption for highly effective handling with information and documents during crisis situation occurs. When working with information administrated by the system you may use a support of geographical information system. The user may display three-dimensional information on the digital map (supposing the geographical data are available) or if needed may prepare a random digital map cut-out or use available map support tool in the Internet network.

System C3M architecture

Diagram labels: MS SQL server, ORACLE, PostgreSQL, Database server, Master Level, Slave Level, Database Level, Business Logics, Integration Level, Presentation/ Transformation Level, application server, POVIS, Region Portals, HZS Portals, Nationwide Registers, Proprietary registers, Browser, Mobile Client, Heavy Client, no, yes, OK?, Installation for client equipment available to exist fully autonomously

C3M system significantly simplifies working with information and also unifies tools and working procedures in crisis and not critical situation. Time consuming and demanding collection of central current information and consequent updating of documents is thus cancelled. As the individual partial information are continuously maintained updated by authorised users the system C3M provides a universal tool to obtain a valid and approved document as well as updated status of information included in it.

MAIN C3M MODULES

POWERS AND MEANS

This part records all powers and means (labour force, organisation, qualifications, positions, available sources, production and needed capacities etc.) which might be used to resolve critical and extra ordinary situations and events. It includes tangible and intangible assets, human resources as well as organisations. Based on gathered powers and means you may create different surveys and lists with possibility to be exported into the output format and be provided to other persons in a hard copy or an electronic form, and these powers might be also displayed on the map. Responsibility for completeness and updated version may be set according to acquiring and updating process management of powers and means.

EVENT DIARY

This part records all and any events either supposed which results from risk analysis as well as actual ones. The events may be added with information which are needed including marking of information on the map, as venue, endangered areas, flooded areas for the individual flood emergency levels, escape routes etc. It is possible to record also supposed and actual sequence of events and their development and any appropriate announcement of crisis situation if the situation develops this way. The required data may be again in different structures.

PLANS AND MEASURES

This part records all measures and procedures for event solution. These may include critical measures, plans (procedures) for particular activities, operational procedures, liabilities and responsibilities etc. In case of resolving a real event it is possible to monitor time sequences of the individual solved tasks. This part also serves for collecting and gathering of all information which creates the plan or other documentation legally required by the law. It is possible to define crisis plans, emergency plans, plans of particular activities, operational plans, safety programmes, and other documents in the structure defined by the user. It may also monitor revised versions and approval processes.

GIS

The module provides user with possibility to display three-dimensional information administrated by the information system on the digital amp. You may also draw a required situation to the map and save it as graphic information relating to the event.

C3M SYSTEM MAIN CONTRIBUTIONS

- Using of common database not only to create plans but also as a source of current information for crisis management
- Mutual data sharing between all users or subjects in cooperation
- Effective data updating
- Administration and access rights in compliance with the European Community standards (multi-level data access – applications, tasks, particular data, data attributions)
- Available communication with existing external database systems

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