

Medical tablets to meet your every requirement

Summary and strengths of the project

Equipment

MioCARE™ A105 Tablet

MioCARE™ L135 Tablet

Hospital Centre for the District of Montreuil-sur-Mer



The stakes

Deployment of IT equipment specially adapted to the healthcare environment providing both excellent shock resistance and a range of functions making it possible to combine a number of different tools used by different departments.

Indicators

Deployment of 15 **MioCARE™** A105 tablets within the accident and emergency department.

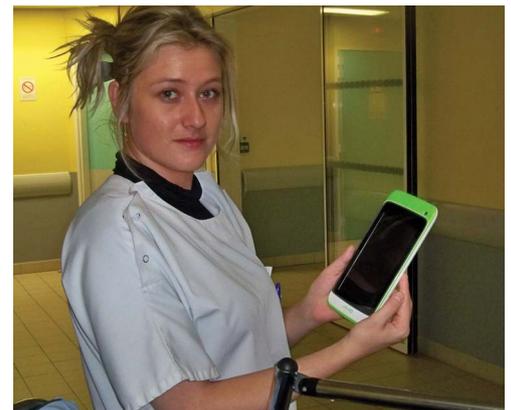
Deployment of **MioCARE™** L135 tablets in the surgical unit (ongoing).

Introduction to the Hospital Centre

Located within a centre of population with more than 100,000 inhabitants, the Hospital Centre for the District of Montreuil-sur-mer (CHAM) is a hive of activity. The proof in figures*.

"The MioCARE tablets are multi-purpose digital devices; they replace the digital dictaphone, the paper diary, the pencil and paper for recording statistics and will soon replace the telephone."

Jean Luc Boulan,
Director of Information Systems
at the Hospital Centre for the District of Montreuil-sur-mer (CHAM)



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+ 1,200
Staff and
100 doctors



+ 900
Beds
and places



65,300
Outpatient
consultations



1,370
Call-outs by
the S.M.U.R



+ 28,000
Emergency
call outs



1,106
Births



18,700
Admissions



4,740
Surgical
operations

Hospital Centre for the District of Montreuil-sur-mer

CHAM has six operational centres: accident and emergency, surgery, medical, natal/anti-natal unit, medical-technical, geriatrics, psychiatry and disability.

At the end of 2009, the hospital extension allowed CHAM to extend its geriatric unit as well as reorganising the hospital, thanks to the new space, thereby supporting better care for patients.

By the end of 2012 two new buildings opened: a home for older disabled adults at Campagne-les-Hesdin and a psychiatry day care unit at Fruges

At the end of 2014, CHAM continues to improve its care services for users by:

- opening a building dedicated to accommodating new MRI (magnetic resonance imaging) medical imaging equipment;
- deploying its new Interoperable Electronic Health Record (IEHR);
- rebuilding the psychiatry day care unit in the town of Berck sur Mer.

OPPRAD: the genesis of the project

In response to the challenging issue of managing appointments on the medical imaging technical platform, CHAM's Information Systems Management has developed a web application called "OPPRAD", which in English stands for Radiology Technical Platform Planning Tool.

The benefits of the "OPPRAD" application are numerous and in particular facilitate increasing the flexibility and the time taken to record appointments previously completed in a paper book located in radiology, limiting the number of steps taken by the handler (listing in the patient record after connecting and searching for the patient and then the activity based on a paper thesaurus as well as enforcing a consistency check), increasing the completeness of data collection; records are very often non-matching or incomplete or contain inputting errors and also to automatically manage the work lists in particular avoiding identity validation errors (multiple copies of the same information, etc.), and making healthcare service schedules available in real time.



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OPPRAD at Gest@g

In view of the ergonomics of the application and the general satisfaction on the part of users, it has been extended to managing all appointments throughout endoscopy departments, outpatient consultations, surgical units – as well as other services such as accident and emergency under the name of "Gest@g", which in English stands for Agenda Management.

Other services such as sterilisation are to be brought on line and other functions, such as the follow-up of Implantable Medical Devices – IMD – that are to be deployed in the very near future.

"By using MioCARE tablets, patient waiting times prior to an examination are reduced and medical imaging handlers as well as accident and emergency staff spend more face-to-face time with patients rather than on the telephone to follow up requests. The information is shared in real time by all healthcare professionals: medical imaging department, accident and emergency staff and all CHAM healthcare services. The use of MioCARE tablets delivers a better service to our users of SIH and so to our patients", emphasised Jérôme Deletre, who leads the CHAM working group.

Hospital Centre for the District
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MioCARE™, designed especially for healthcare services

The selected equipment should meet a number of criteria very strictly defined by CHAM. In particular, the equipment should be capable of undergoing bio-cleaning (disinfection), demonstrate outstanding impact-resistance (IP54 or more), operate in an outdoor and changing environment to guarantee access to existing applications such as Gest@g, EHR and other applications such as the database of drugs and medications.

The tablets should also include a significant number of functions (barcode reader, camera, microphone and speakers, Wi-Fi connection, etc.), have a reasonably large touch-screen allowing you to put it in the pocket of your gown and be equipped with programmable shortcut keys, and offer good battery life whilst remaining a reasonable weight.

Following technical approval, CHAM has purchased 15 six-inch **MioCARE** tablets to equip the whole of the accident and emergency department.

“The MioCARE tablets are multi-purpose digital devices: they replace the digital dictaphone, the paper diary, the pencil and paper for recording statistics and will soon replace the telephone. They also offer additional features compared to older smartphones previously used, including barcode readers, a camera, a microphone and speakers, which could be used in the near future. In particular, they offer a much higher degree of impact-resistance to that seen in smartphones and can be disinfected by means of bio-cleaning. They also have the advantage of being the optimal size to fit in the pocket of a doctor’s or healthcare worker’s coat” states Jean Luc Boulan.

Looking to the future

CHAM does not intend to stop there and would also like to complete the process of digitising all of the hospital’s surgical units by deploying **MioCARE** tablets fitted with a 10-inch screen in each theatre. These will specifically be used for completing the operating checklist in real time, providing access to online protocols, for taking photographs, where necessary, to be attached to the EHR, reading barcodes of Implantable Medical Devices (IMD), as well as accessing the mobile version of the Electronic Health Record (EHR) or the drugs and medication database, etc.

In parallel with this, other prototypes are also in development, such as the implementation of IMD management (traceability of IMD per patient, stock management, etc.), as well as implementing the management of sterilisation (traceability and geolocation of surgical boxes).



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