

Oncology Diagnosis and Treatment Center of Brasov



Customer

- Oncology Diagnosis and Treatment Center of Brasov, Romania

Industry

- Healthcare

Challenges

- Offer 'free wandering' – within boundaries – to chronically ill patients
- Enhance patient safety and security
- Increase staff efficiency – enabling more 'hands at the beds'
- Budget, Capex as well as Opex

Solution

- NEC Healthcare Communication Solution, consisting of;
 - UNIVERGE® SV8100 communication server
 - IP DECT wireless infrastructure
 - (IP) DECT phones I755, G955, G355 for medical staff
 - (IP) DECT messaging device M155 for patients
- Ekahau location detection
- Messaging solution

Results and Benefits

- Extremely patient-friendly monitoring of patient movements, to assure the right level of care to the right patient, at the right time.
- Integrated solution increasing the efficiency and productivity of staff – 'freeing up' time for more Patient Care
- Satisfied patients – right level of care, where and when they need it
- Satisfied staff – spending more time with the patients

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"The appreciation of our core medical services has increased significantly, thanks to the uniqueness of the integrated communication solutions, as implemented by Romtelecom. The NEC healthcare communication system, is a core element of the high-level care, we provide to our patients", says Carmen Dandarau Marketing Manager of the Oncology Diagnosis and Treatment Center of Brasov, Romania.

Challenges

The Oncology Diagnosis and Treatment Center of Brasov wanted to give patients as much freedom to roam as possible, while at the same time ensuring optimal patient safety and security. The centre was in need of an adequate wireless voice communication and messaging solution that would give patients the confidence that medical staff is always on call, and reduce stress levels of nurses and doctors when called in case of urgent need.

Solution

ICCO/Romtelecom proposed an NEC UNIVERGE SV8100 communication server along with IP DECT wireless infrastructure to provide full coverage for mobile communications throughout the centre.

The system supports approximately 150 fixed telephone terminals (analogue and IP) and over 100 wireless IP DECT phones and messaging devices.

The medical staff use the G955 and I755 IP DECT handsets. The latter are specially designed for use in demanding environments. Patients are provided with NEC's M155 messaging devices. These hygienic wrist band sets are easy to wear and use and enable direct voice contact as well as messaging/alarms.

NEC's DECT infrastructure is connected with Ekahau's Real Time Location Solution.

The ICCO messaging application collects data from both solutions, interprets them and sends them to the central reception indicating the location of the sender.

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The leading RTLS solution from Ekahau, directly displays the location of the patient – assuring the right level of care – at the right location. The centre expects to further enhance the solution soon with Business ConneCT Operator.

About

Oncology Diagnosis and Treatment Center of Brasov has created a unique identity in the market of health services. Covering the whole range from diagnostics to therapies, it is synonymous to excellence in oncology patient care.

Results

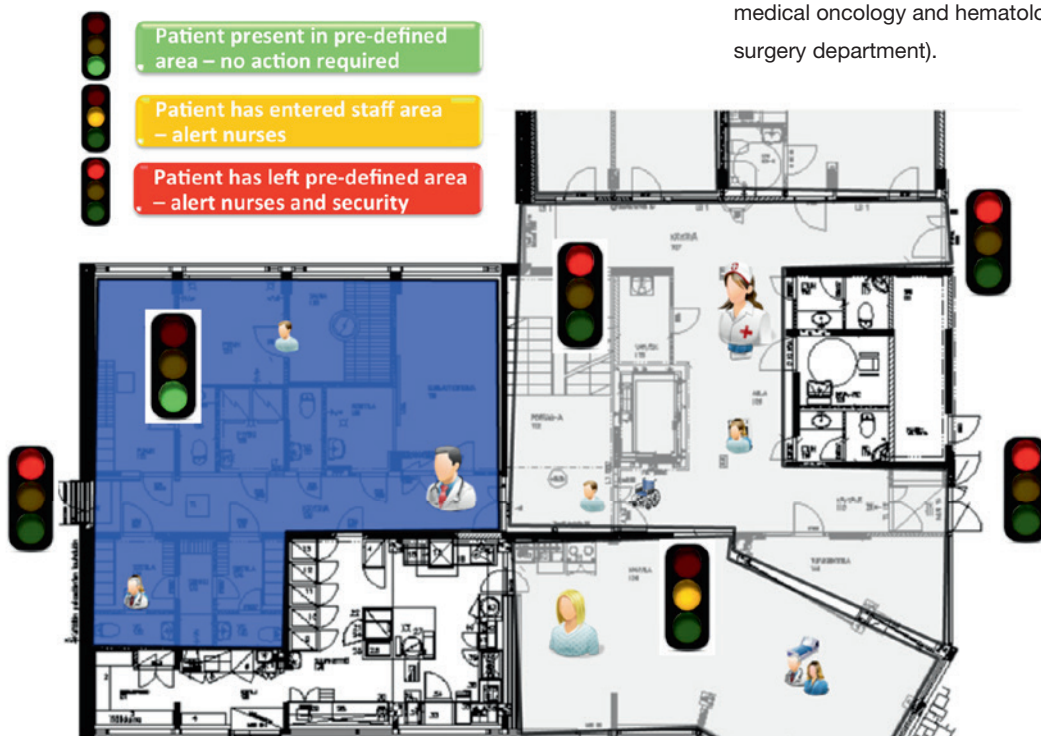
The fully integrated communication solution has resulted in improved patient safety. It ensures that patients can be monitored securely and that there is permanent contact between patients and medical staff.

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The centre is the most modern diagnostic and treatment center for oncology in Romania and South East Europe. The main building covering an area of 8200 m2 is divided into five levels and is equipped with advanced medical equipment (GE, Varian, ABBOTT, Storz) for diagnosis and treatment by its specialists who are experts regarding the latest concepts and techniques in the diagnosis and therapy of cancer.

The Oncology Diagnosis and Treatment Center of Brasov includes departments for Radiology, Mammography, CT, MRI, ultrasound, DXA- Osteodensitometry, PET-CT, Hematology, Coagulation and Immunohematology, Biochemistry and Immunology, Microbiology, Cytology and a Histopathology Laboratory.

The clinical department offers 94 beds (structured in three sections: medical oncology and hematology, department of radiotherapy and surgery department).



For further information please contact your local NEC representative or:

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