



CENERGY Go!

Working together for **safe,**
accurate & efficient RT treatments



Patient Identification & Monitoring

CNERGY Go!

Reliable patient identification is crucial in radiotherapy. Every radiotherapy patient is different, so treatment can vary enormously in terms of dosage and location on the body. This means that it is essential to correctly identify each patient and ensure they receive the correct treatment. Nowadays the checks are done mostly manually, for instance, checking the patient's date of birth or using a photograph of the patient. These methods are error-sensitive, as these checks are not integrated in the workflow there is no 100% guarantee that the steps are always executed. Together with one of the radiotherapy centers in The Netherlands, Cablon Medical has made a step forward with use of a hand palm scan connected to the R&V system and accelerator.

Biometric measurement methods

After extensive research, a special scanner has been chosen to measure the vascular bed. It identifies the patient through the unique hand palm vein profile. The blood vessel pattern is unique to each person and can be identified with very high accuracy (FAR <0.00001%).¹

CNERGY Go! can verify a patient within a second, even the patients that undergo chemotherapy and patients who wear a face mask. It works in a contactless manner which means that, for example, damp hands or deformation from excessive pressure cause no problems. This is important, as the new identification method will be performed many times a day.

¹ https://www.fujitsu.com/us/imagesgig5/Fujitsu_DS-F-Pro_103017.pdf



KEY FEATURES:

- Accelerator does not start radiation before a positive match is made
- Fully integrated into the existing workflow of radiotherapy centres
- Optional check-in kiosk module for patient guidance and attendance
- Is fast, non-invasive and high accuracy (FAR <0.00001%)¹

BENEFITS:

- Prevents treatment of the wrong patient
- No additional workload
- Enables an organisation to maintain records for compliance purposes
- Usable for every patient



How does it work?

1. Registration

During the first appointment both hands are scanned and stored as an encrypted code in the system which is inseparably connected to the patient.

2. Check-in kiosk

CENERGY Go! consists of a check-in kiosk. On every appointment the patient scans his hand at the kiosk. The correct treatment location and the possible delays are displayed on the kiosk. The medical staff receives a message in the console area about the arrival of the patient, which prevents them from unnecessarily checking the waiting room.

3. Verification

Before every treatment the patient's hand is scanned when the patient is on the treatment table. The patient identification step cannot be omitted, because the accelerator cannot be started until a positive identification has been made.

If a patient cannot use the scanner for whatever reason, a radiation technologist can be nominated to unlock treatment with their own unique palm signature (override). This solution also enables an organisation to maintain immaculate records for compliance purposes.



CENERGY Go! New models

The portfolio is extended with new wall and desk models.





CNERGY GO! is part of the CNERGY Solutions.

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