# ITEA Press release

‘One patient, one team’ approach for hospitals thanks to Barco-steered project ‘PARTNER’

*15 September 2021 - Data fragmentation and a lack of transparency are serious problems in healthcare. A unified overview of a patient’s status (including at home) would assist collaboration within hospitals and reduce costs while offering greater freedom and comfort to patients. The ITEA project PARTNER\* has therefore developed an architecture allowing different systems to communicate with each other. The international R&D&I project, led by Barco and gathering 20 partners from Belgium, Canada, Korea and the Netherlands, is about to install this brand-new solution in several hospitals. It received the ITEA Award of Excellence today.*

Improving a patient’s journey

During a patient’s journey through the health system, their medical information is often stored in multiple databases that focus on specific elements of their care and condition – even within one hospital. These databases generally cannot interact, which makes it impossible to draw up all information belonging to one patient at the click of a button.

Wearables and other compact devices that work with physiological sensors are creating a lot of possibilities to monitor patients when they are not in the hospital. Integrating this information with the hospital’s data could open up an information treasure chest that can stimulate better treatment and lower costs for both patient and hospital.

The PARTNER project has developed an architecture that makes it possible to let different systems, offered by multiple vendors, communicate with each other. The solution includes these self-monitoring solutions for patients.

The system has been demonstrated using a fictitious patient’s journey through cardiac care. The demonstration clearly showed the system’s comprehensiveness: thanks to its architecture based on interoperability standards, it enabled the different partners’ systems to exchange information.

*The iClinic HF module has pushed the boundaries of conventional electronic medical records, thanks to its co-design with frontline care providers. The result is an intuitive, comprehensive and adaptable platform, dedicated to optimizing care for heart failure. Workflow has dramatically improved, particularly with the new interface that allows simultaneous work by multiple users. This really frees up time to focus on and interact with patients.”*
*– Dr Nathaniel Hawkins (Vancouver General Hospital)*

Strong international collaboration for better care worldwide

Worldwide, over 40 million people suffer from heart failure. A global challenge requires a global solution, so one of PARTNER’s primary achievements has been bringing together partners from three continents. Every contributor involved has released new products and services, ready to be installed in several hospitals for further trials. Thanks to this worldwide collaboration, Barco’s collaborative data platform for healthcare professionals is being further developed for global deployment representing a new business case which will allow them to push further into the health domain. And the successful participation of SME partners dapasoft, CalgaryScientific, iClinic, MedVision, Sopheon and XCO highlighted PARTNER’s role in circumventing dominance by larger companies and the resulting lock-in. Thanks to the PARTNER Hub prototype developed by Korean partner ETRI, patients have ownership of and access to their medical data that is scattered across several hospitals. In addition, ETRI and the Korean consortium demonstrated collaboration among doctors through a medical workflow for a chronic disease patient.

For hospitals, the benefits of PARTNER uptake are twofold. Firstly, for healthcare professionals, it demonstrates that a patient-centric approach with an optimised collaborative care team leads to greater efficiency – up to a 10% improvement compared to traditional workflows – and a knock-on effect of lower healthcare costs. Secondly, improved transparency allows professionals to provide the best services for each individual patient.

‘One patient, one team’

**PARTNER’s maxim is ‘one patient, one team’**; its central philosophy is driven by dedicated, personalised patient care. When combined with the greater degree of freedom and comfort enabled by smart wearables, this should result in better health outcomes and, above all, a higher quality of life even when ill.

## *Note for editors, not for publication*

\* The acronym PARTNER stands for Patientcare Advancement with Responsive Technologies aNd Engagement togetheR

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#### PARTNER project partners - <https://itea4.org/project/partner.html>

**Belgium**

* Barco N.V.
* Hasselt University
* NXP SemiConductors Belgium NV

**Canada**

* Calgary Scientific Inc.
* dapasoft inc
* iClinic Systems Inc.
* XCO Tech Inc.

**Republic of Korea**

* Chungbuk National University
* ETRI (Electronics and Telecommunications Research Institute)
* eZEX corporation
* Gangnam Severance Hospital
* Neighbor System Co.,Ltd.

**The Netherlands**

* Academic Medical Center of the University of Amsterdam
* Eindhoven University of Technology
* Stichting IMEC Nederland
* Koninklijke KPN NV
* MedVision360 BV
* Siemens Healthcare Nederland B.V.
* Sopheon
* ZorgGemak BV

#### About Barco

Barco designs technology to enable bright outcomes around the world. Seeing beyond the image, we develop visualiszation and collaboration solutions to help you work together, share insights, and wow audiences. Our focus is on three core markets: Enterprise (from meeting, classroom and control rooms to corporate spaces), Healthcare (from the radiology department to the operating room), and Entertainment (from movie theaters to live events and attractions). In 2020, we realized sales of 770 million euro. We have a global team of 3,300 employees, whose passion for technology is captured in 461 granted patents.
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