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ITEA 3 is a EUREKA strategic ICT cluster programme

Exploitable Results by Third Parties

ITEA 16017 PARTNER

Project details

Project leader:	Danny Deroo
Email:	danny.deroo@barco.com
Website:	http://dev.dapasoft.com/Barco/ITEA_PARTNER_PROJECT.html

Name: Barco Collaborative Cloud (Synergi)		
Input(s):	Main feature(s)	Output(s):
▪ Clinical data retrieval ▪ Validation of data per input template	▪ Real-time collaboration through existing applications (Smart Sharing) ▪ In meeting approval	▪ Specific template for common outcomes ▪ Report storage to EMR systems
Unique Selling Proposition(s):	▪ Interoperable with the latest FHIR standards ▪ Clinical details based on templates per specialty ▪ Vendor neutral (compatible with any viewer) ▪ Secure and no need to move images to the cloud ▪ Full transparency and visibility of patient data for the hospital and remote clinical team	
Integration constraint(s):	▪ No interpretation of unstructured reports or referring letters for input ▪ No XDS/XDW support	
Intended user(s):	▪ Clinicians collaborating in multi-disciplinary teams	
Provider:	▪ Barco	
Contact point:	▪ Danny Deroo	
Condition(s) for reuse:	▪ Documented eco-system for collaborative group discussions is available as a FHIR interface	
	Latest update: 26 Oct, 2020	

Name: NXP Semiconductors Belgium N.V.		
Input(s):	Main feature(s)	Output(s):
▪ Accelerometer ▪ Pressure sensor ▪ Gyroscope	▪ On-body node as main controller + NFEMI technology ▪ Bridge node uses microcontroller + NFEMI + BLE	Transmission of info on body motions, including the data used to classify the motion, to the mobile phone or tablet
Unique Selling Proposition(s):	▪ NFEMI - NFMI goes through and uses human body tissue with very low absorption, unlike RF ▪ Motion classification is using a Neural Network, with as input sensor information from several sources(nodes). ▪ Application into Healthcare IoT	
Integration constraint(s):	▪ See NXP product sheets	
Intended user(s):	▪ Secure data communication between different sensors using Body Area Network connection based on NFeMI technology. ▪ Motion recognition used as additional information for interpretation of ECG data of the patient. ▪ Integrators for medical devices	
Provider:	NXP Semiconductors	
Contact point:	Henk Lannoo – henk.lannoo@nxp.com	
Condition(s) for reuse:	▪ NXP products (see website): o NFMI radio o Low Power microcontrollers (incl. accelerometer, pressure sensor, gyroscope) o BLE radio ▪ NXP Commercial terms	
	Latest update: 29 Oct, 2020	

Name: MEDrecord platform		
Input(s):	Main feature(s)	Output(s):

▪ Clinical data storage
▪ Connectivity of the data to back-end systems
▪ Any data
	▪ Integration of various data sources
	  ○ Google Fit
	  ○ Imec device
	  ○ Xco device
	  ○ all partners backends
	▪ Multiple microservices:
	  ○ Chat and video
	  ○ Calendering
	  ○ Thresholds
	  ○ External calculations
		▪ PROM: Patient Reported Outcome Measurements
		▪ Thresholds; good or bad
		▪ WHO recommendations
		▪ Personalised feedback

Unique Selling Proposition(s):	▪ Integrated system and certification ▪ Certification on HL7 FHIR, ISO27001, NEN 7510 ▪ Vendor neutral ▪ Full compliance with GDPR standards ▪ Connection with all Dutch healthcare institutes
Integration constraint(s):	▪ Both FHIR as well as simplified REST based API available ▪ Semantic interoperability
Intended user(s):	▪ Patients (all stages of HF and TAVI) ▪ Informal caregivers
Provider:	▪ MedVision360 BV
Contact point:	▪ Jan-Marc Verlinden
Condition(s) for reuse:	▪ License based on monthly fee

Latest update: 29 Oct, 2020

Name: XCO - Frailty Care System (FCS)		
Input(s):	Main feature(s)	Output(s):
▪ XPS motion tracking system including UWB tracking hub and two wearable devices worn on the patient ▪ Ipad/tablet based cognitive software tests ▪ Set of test procedures built into the assessment app	▪ Digitization of common frailty tests that have been heavily validated over many years ▪ Suite of real-time algorithms that analyze the patient's motion during the tests ▪ Integrated software and hardware requiring minimal training ▪ Secure transmission of patient data to any clinical data system, anywhere.	▪ Accurate measures from each test ▪ Frailty rating for each test from frail, pre-frail and excellent ▪ API including all measures and ratings

Unique Selling Proposition(s):	▪ Comprehensive clinical report on physical and cognitive frailty ▪ Fully automated set of quantifiable tests that are precise, repeatable and reduce subjectivity, liability and inconsistency typically found with frailty measurement tools today ▪ Documented cloud API for simple integration into patient management systems, patient/clinician portals and EMR/EHR's ▪ Full transparency and visibility of patient data for the hospital and remote clinical team ▪ Vendor agnostic (compatible with any patient management system or viewer) ▪ Expandable in the future enabling the inclusion of more biometric sensors of interest
Integration constraint(s):	▪ No computerized clinical interpretation of the frailty assessment
Intended user(s):	▪ Clinicians collaborating in multi-disciplinary teams
Provider:	▪ XCO
Contact point:	▪ Scott McMillan, CEO, scott.mcmillan@xco.io ▪ Chris Sutton, VP Health Programs, chris.sutton@xco.io
Condition(s) for reuse:	▪ Sales and distribution agreements ▪ Technology licenses

Latest update: 1 Nov, 2020