

HORIZON
2020

ENergy aware BIM Cloud Platform in a COst-effective Building RENovation Context

Wyniki

Informacje na temat projektu

ENCORE

Identyfikator umowy o grant: 820434

[Strona internetowa projektu](#) 

DOI

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Projekt został zamknięty

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Wkład UE

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Koordynowany przez

INSTITUT FÜR ANGEWANDTE
SYSTEMTECHNIK BREMEN
GMBH



Germany

CORDIS oferuje możliwość skorzystania z odnośników do publicznie dostępnych publikacji i rezultatów projektów realizowanych w ramach programów ramowych HORYZONT.

Odnośniki do rezultatów i publikacji związanych z poszczególnymi projektami 7PR, a także odnośniki do niektórych konkretnych kategorii wyników, takich jak zbiory danych i oprogramowanie, są dynamicznie pobierane z systemu [OpenAIRE](#) .

Rezultaty

Demonstrators, pilots, prototypes (13)

[Full Automated Work Planning Services \(AWOPS\) Prototype !\[\]\(3dfb8d66e81160ad61421a3452093d1b_img.jpg\)](#)

Full Automated Work Planning Services AWOPS Prototype

[Full BIM Resources Repository Management Service \(BRM\) Prototype !\[\]\(0f848bbd71cef6b345273b16f905912a_img.jpg\)](#)

Full BIM Resources Repository Management Service BRM Prototype

[Full Energy Savings Simulation Service \(ESS\) prototype !\[\]\(a870788d6ed9b8fd294b7654a8c8526b_img.jpg\)](#)

Full Energy Savings Simulation Service ESS prototype

[Full On-site Design Analysis and Verification Services \(ODAVS\) Prototype !\[\]\(3211b5d1d968fc1665909b34f9f16010_img.jpg\)](#)

Full Onsite Design Analysis and Verification Services ODAVS Prototype

[Full Building Monitoring & Diagnostics Services \(BM\) prototype !\[\]\(c50c8b7b2cc2cf9ff925edec0ee94c0d_img.jpg\)](#)

Full Building Monitoring Diagnostics Services BM prototype

[Full Prototype !\[\]\(9c2e8d1b5bd77cb5c9f83b7a9cff79fd_img.jpg\)](#)

[Full Knowledge Extraction and Object Enhancement Service \(KEES\) Prototype !\[\]\(e3275251d0893157c3584e20c81dc3ba_img.jpg\)](#)

Full Knowledge Extraction and Object Enhancement Service KEES Prototype

[Full Data Acquisition Service \(DAS\) Prototype !\[\]\(f1c5da15572e3e09d343161be98f508d_img.jpg\)](#)

[ENCORE Final version !\[\]\(235bfe13ebf007ce2eea9e689707fac7_img.jpg\)](#)

[Full Comfort Simulation Services \(CS\) prototype !\[\]\(eabd9f9ababee93effadc3b380fe65fd_img.jpg\)](#)

Full Comfort Simulation Services CS prototype

[Full Image Processing and Reconstruction Service \(IPRS\) Prototype !\[\]\(166772600a13ad0a433053f90fe45649_img.jpg\)](#)

Full Image Processing and Reconstruction Service IPRS Prototype

[Final Design of the BIM-based support tool for digital modelling and information generation !\[\]\(a73c1962d20a39dd8fd6a060ae69693f_img.jpg\)](#)

Final Design of the BIMbased support tool for digital modelling and information generation

[Full Construction Project Management Services \(CPMS\) Prototype !\[\]\(a8ff699ced33317c53c86f9bf3171905_img.jpg\)](#)

Full Construction Project Management Services CPMS Prototype

Websites, patent fillings, videos etc. (1)

[Project website !\[\]\(1d3a1175dd4902218e694b9c098adb83_img.jpg\)](#)

Documents, reports (13)

[Assessment Reports !\[\]\(4729e517bc6a7cd81c8025b9646574fb_img.jpg\)](#)

[Final Validation Procedure !\[\]\(cbe80b694ebd74fcfe136a095b608235_img.jpg\)](#)

[Open data use plan !\[\]\(a03a7eb2f4046e1d3c76772003e549ea_img.jpg\)](#)

[Pilot Cases and Use Case Scenarios !\[\]\(cbe2492b119e39e02a1dab2af4a4b296_img.jpg\)](#)

[Final Design BIM-aided holonic management systems for building renovation !\[\]\(e474458956c9a37fbf9586ddb60a7fa1_img.jpg\)](#)

Final Design BIMaided holonic management systems for building renovation

[State-of-the-Art and Market Requirements !\[\]\(5361750c22c4e047a52f4eac1ec2d4cc_img.jpg\)](#)

[The ENCORE concept !\[\]\(870f5d5e9c0d57485634be3ecf52f3ca_img.jpg\)](#)

[The ENCORE architecture !\[\]\(4fe57c3593bf1b21d272ae7ac8dfaf77_img.jpg\)](#)

[Project Presentation and brochure !\[\]\(0d5ec72f61334709c3fc9450209b754f_img.jpg\)](#)

[Impact Assessment Plan !\[\]\(b792654f2cef9719eabeb6c5be00811e_img.jpg\)](#)

[ENCORE Methodology Workbook !\[\]\(7d1d6890825e83a6a4a51febe2dcc7f3_img.jpg\)](#)

[Final Validation Report !\[\]\(2bae76de5ebbd5c4d7d47162f1673734_img.jpg\)](#)

[Final Design of the Real-time estimation of energy and comfort performances !\[\]\(b64b40baaee5acddc1eab8538ba84754_img.jpg\)](#)

Final Design of the Realtime estimation of energy and comfort performances

Publikacje

Conference proceedings (3)

[RMAS Architecture for Autonomic Computing in Cyber-Physical Systems](#)

Autorzy: Andrea Bonci, Sauro Longhi, Massimiliano Pirani

Opublikowane w: IECON 2019 - 45th Annual Conference of the IEEE Industrial Electronics Society, 2019, Strona(/y) 2996-3003, ISBN 978-1-7281-4878-6

Wydawca: IEEE

DOI: 10.1109/iecon.2019.8926991

[Holonc System for Real-Time Emergency Management in Buildings](#)

Autorzy: Berardo Naticchia, Leonardo Messi, Massimiliano Pirani, Andrea Bonci, Alessandro Carbonari, Lucia Cristina Tolve

Opublikowane w: Proceedings of the 36th International Symposium on Automation and Robotics in Construction (ISARC), 2019, Strona(/y) 453-460, ISBN 978-952-69524-0-6

Wydawca: International Association for Automation and Robotics in Construction (IAARC)

DOI: 10.22260/isarc2019/0061

[BIM-based Holonic System for Real-Time Pathfinding in Building Emergency Scenario](#)

Autorzy: Berardo Naticchia, Leonardo Messi, Alessandro Carbonari

Opublikowane w: Proceedings of the 2019 European Conference on Computing in Construction, 2019, Strona(/y) 117-124, ISBN 978-1-910963-37-1

Wydawca: University College Dublin

DOI: 10.35490/ec3.2019.174

Peer reviewed articles (2)

[Prospective ISO 22400 for the challenges of human-centered manufacturing](#)

Autorzy: Andrea Bonci, Sauro Longhi, Massimiliano Pirani

Opublikowane w: IFAC-PapersOnLine, Numer 52/13, 2019, Strona(/y) 2537-2543, ISSN 2405-8963

Wydawca: Elsevier

DOI: 10.1016/j.ifacol.2019.11.588

[Holonc Management Tree Technique for Performance Improvement Over Self-Similar System Structures](#)

Autorzy: Andrea Bonci, Sauro Longhi, Massimiliano Pirani

Opublikowane w: Management Studies, Numer 7/5, 2019, Strona(/y) 379-413, ISSN 2328-2185

Zbiory danych

Zbiory danych za pośrednictwem OpenAIRE (7)



[Workplans generated during AWOPS tests](#)

Autorzy: Messi, Leonardo; Carbonari, Alessandro
Opublikowane w: Zenodo

[Building status collected during AWOPS tests](#)

Autorzy: Messi, Leonardo; Carbonari, Alessandro
Opublikowane w: Zenodo

[Demonstration Cases - Simulation data of energy consumption of residential building typologies](#)

Autorzy: Norena Martín-Dorta; Eduardo González-Díaz; Benjamin González-Díaz; José Miguel Márquez-Martinón
Opublikowane w: Zenodo

[Project Information Model resulting from the on-site survey](#)

Autorzy: Spegni, Francesco; Vaccarini, Massimo; Carbonari, Alessandro
Opublikowane w: Zenodo

[Resource status collected during AWOPS tests](#)

Autorzy: Messi, Leonardo; Carbonari, Alessandro
Opublikowane w: Zenodo

[ENCORE dataset Zagreb september 2021](#)

Autorzy: Milijas, Robert; Goricanec, Jurica; Ivanovic, Antun; Markovic, Lovro
Opublikowane w: Zenodo

[A Comparison of LiDAR-based SLAM Systems for Control of Unmanned Aerial Vehicles](#)

Autorzy: Milijas, Robert; Markovic, Lovro; Ivanovic, Antun; Petric, Frano; Bogdan, Stjepan
Opublikowane w: Zenodo

Pozostałe produkty badawcze

Pozostałe produkty badawcze dostępne przez OpenAire (1)



[Pictures and Videos Collected During ODAVS Activity](#)

Autorzy: Carbonari, Alessandro; Vaccarini, Massimo

Opublikowane w: Zenodo

Ostatnia aktualizacja: 11 Grudnia 2023

Permalink: <https://cordis.europa.eu/project/id/820434/results/pl>

European Union, 2025