

CIRCULAR CONSTRUCTION

12th May 2020 (14:00-17:30)

CONSTRUCTION CONFEDERATION

Rue du Lombard 34-42, 1000 Brussels

13:30-14:00	<i>Registration - Welcome coffee</i>
14:00-14:10	Welcome by ECCREDI President Mrs. Sue Arundale , FIEC, European Construction Industry Federation
14:10-14:30	Overview of the EU project PROGRESS Dr. Petr Hradil , VTT, Finland
14:30-14:50	Reusability of existing structural steel Design of new single-storey steel buildings for reuse Mr. Ricardo Pimentel , SCI, United Kingdom
14:50-15:10	Safe and Efficient deconstruction of single storey steel-framed buildings Dr. Paul Kamrath , PKI, Germany
15:10-15:30	Reuse of steel cladding systems Prof. Markus Kuhnhenne , RWTH Aachen University, Germany
15:30-15:50	Environmental assessment of reuse Dr. Michael Sansom , SCI, UK
15:50-16:15	<i>Coffee break and poster exhibition</i>
16:15-16:35	Evaluation of single-storey building design using reclaimed steel Prof. Daniel Viorel Ungureanu , University of Timisoara, Romania
16:35-16:55	Drive0 Project Dr. Veronika Schröpfer , ACE, European Architects Council
16:55-17:30	<i>Q&A, discussion and closure</i>

2017-2020
PROGRESS
PROVISIONS FOR GREATER REUSE OF STEEL STRUCTURES

PROGRESS in an EU funded project under RFCS, the Research Fund for Coal and Steel (July 2017 to June 2020) under grand agreement No. 747847.

The PROGRESS project will provide methodologies, tools and recommendations on reusing steel-based components from existing and planned buildings. The project particularly targets the design for deconstruction and reuse of envelopes, loadbearing frames, trusses and secondary elements of single-storey buildings framed in steel. This building type has broad applicability as industrial, commercial, sports, exhibition, warehouse facilities, and shows most potential in suitability for reuse and viability for circular-economy business models.

The whole life benefits of reusable single-storey steel buildings will be quantified from environmental and economic viewpoints. The outcomes will be extensively disseminated, in particular among manufacturers, designers, contractors and researchers.

The project offers a completely new point of view on the design and execution of buildings and manufacture of construction products. They will be no longer considered as end products, but instead in the scope of circular economy as a part of continuous chain of the products ecosystem. The construction and demolition waste will become a new resource to be considered in the future buildings design.

Contents :

11 case studies / 4 scientific publications / several workshops across Europe (Belgium, Finland, Spain, Romania, United Kingdom, Portugal, Netherlands and France)

Partners:



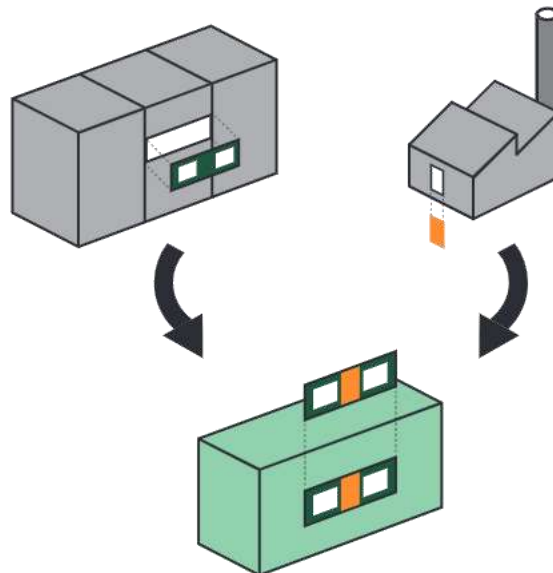
More information: www.steelconstruct.com/EUProjects/Progress



DRIVE

This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No. 841850.

Our goal for **Drive0** is to contribute to speeding up and improving a customer centred deep and circular renovation process. We are doing this to make the approach of circular renovations better, more environmentally friendly, cost effective and attractive for consumers and investors. A circular deep renovation, which contributes to a circular built environment, is based on 100% life cycle renewable energy, and all materials used within the system boundaries are part of infinite technical or biological cycles with lowest quality loss as possible. The project is re-using and recycling locally available materials by urban mining and combining it with bio-based engineered materials in seven demonstration buildings.



More information: www.drive0.eu

