

# 2017-2020 PROGRESS

## PROVISIONS FOR GREATER REUSE OF STEEL STRUCTURES

**PROGRESS** is a collaborative EU-funded project with the aim to facilitate and promote the reuse of steel-framed buildings to support the transformation to a more resource-efficient economy.

The focus of **PROGRESS** is single-storey buildings (SSB) which, as well accounting for more than 60% of the structural steel used in the UK, have many attributes that make their deconstruction and reuse technically and economically viable.

The scope of **PROGRESS** includes the primary and secondary structural elements and steel-based envelope systems. Reflecting the two quite distinct scenarios, PROGRESS has addressed:

- The reuse of **existing** single-storey steel-framed buildings
- The design for deconstruction and reuse of **new** single-storey steel-framed buildings.

An important aspect of **PROGRESS** is dissemination of the work undertaken and importantly, the findings. These were envisaged as a series of workshops throughout Europe however, given the restrictions imposed as a result of the COVID-19 pandemic, ECCS and SCI are instead organising and hosting a series of free webinars during May.

### 7<sup>th</sup> May 2020 PROGRESS webinar 1 Reusing existing, single-storey steel buildings

Scope of webinar and links to handouts:

1. Introduction and context  
<https://www.steelconstruct.com/wp-content/uploads/Webinar-1-1-Intro-and-welcome.pdf>
2. Pre-deconstruction audits (VTT)  
<https://www.steelconstruct.com/wp-content/uploads/Webinar-1-2-pre-deconstruction-audits.pdf>
3. Reusability of existing structural steel including sampling and testing strategies, SCI Protocol P427 and CE marking (SCI)  
[https://www.steelconstruct.com/wp-content/uploads/Webinar-1-3-Reusability-of-existing-structural-steel-RJP\\_v03.pdf](https://www.steelconstruct.com/wp-content/uploads/Webinar-1-3-Reusability-of-existing-structural-steel-RJP_v03.pdf)
4. Reusing existing envelopes (RWTH)  
<https://www.steelconstruct.com/wp-content/uploads/Webinar-1-4-Reusing-existing-envelopes.pdf>

### 14<sup>th</sup> May 2020 PROGRESS webinar 2 Design of new single-storey steel buildings for reuse

Scope of webinar and links to handouts:

1. Introduction and context  
<https://www.steelconstruct.com/wp-content/uploads/Webinar-2-1-Intro-and-welcome.pdf>
2. Design of new single-storey buildings for reuse (SCI)  
<https://www.steelconstruct.com/wp-content/uploads/Webinar-2-2-Design-of-new-single-storey-steel-buildings-for-reuse.pdf>



3. Demountable and reusable envelope systems (RWTH)  
<https://www.steelconstruct.com/wp-content/uploads/Webinar-2-3-Demountable-and-reusable-envelope-systems-V2.pdf>
4. Application of BIM to facilitate reuse (VTT)  
<https://www.steelconstruct.com/wp-content/uploads/DataWebinar-2-4-BIM-for-circular-analyses-and-reuse.pdf>

**21<sup>st</sup> May 2020 PROGRESS webinar 3    Life cycle assessment and reusability assessment of single-storey steel buildings**

Scope of webinar and links to handouts:

1. Introduction and context  
<https://www.steelconstruct.com/wp-content/uploads/Webinar-3-1-Intro-and-welcome.pdf>
2. Reusability assessment (VTT)  
<https://www.steelconstruct.com/wp-content/uploads/Webinar-3-2-reusability-assessment.pdf>
3. Environmental assessment of steel reuse and recycling (SCI)  
<https://www.steelconstruct.com/wp-content/uploads/Webinar-3-3-Env-assessment-MRS.pdf>
4. LCA and LCC case studies (UPT)  
<https://www.steelconstruct.com/wp-content/uploads/Webinar-3-4-LCA-and-LCC-case-studies.pdf>
5. Business models for steel reuse and the prototype steel reuse portal (SCI)  
<https://www.steelconstruct.com/wp-content/uploads/Webinar-3-5-Business-models.pdf>

**28<sup>th</sup> May 2020 PROGRESS webinar 4    Overview of the PROGRESS project**

Scope of webinar and links to handouts:

1. Summary of the research project PROGRESS (VTT)  
<https://www.steelconstruct.com/wp-content/uploads/Webinar-4-1-Summary-of-PROGRESS.pdf>
2. Experiences and lessons learned from the past (UPT)  
<https://www.steelconstruct.com/wp-content/uploads/Webinar-4-2-Experience-Lessons.pdf>
3. Good practices in design for reuse (SCI)  
[https://www.steelconstruct.com/wp-content/uploads/Webinar-4-3-Good-practices-in-design-for-reuse-RJP\\_v01.pdf](https://www.steelconstruct.com/wp-content/uploads/Webinar-4-3-Good-practices-in-design-for-reuse-RJP_v01.pdf)
4. Benefits of steel reuse for the construction industry and EU strategies (VTT)  
<https://www.steelconstruct.com/wp-content/uploads/Webinar-4-4-reuse-benefits-for-PDF.pdf>

