

Collection of aluminium building products at their end-of-life

This case study #1 is the first of a series of case studies whose overall objective is to **investigate the collection rate** of aluminium building products at their end-of-life in Europe.

The building object of this case study is an office building **located in Germany** and the dismantling of the outer shell of the building was completed in 2020.

In order to calculate the collection rate of aluminium building products, a pre-demolition inventory was carried out by **SGS** Search in January 2020 before the dismantling, to estimate the aluminium content in the outer shell of the building.

To calculate the collection rate, this estimate amount was then compared with the amount of aluminium collected by the recycler after the dismantling.

CASE STUDY #1

Location: **Germany**

Year: **2020**

Aluminium content: **28 tonnes**

Collection rate: **98,3 %**

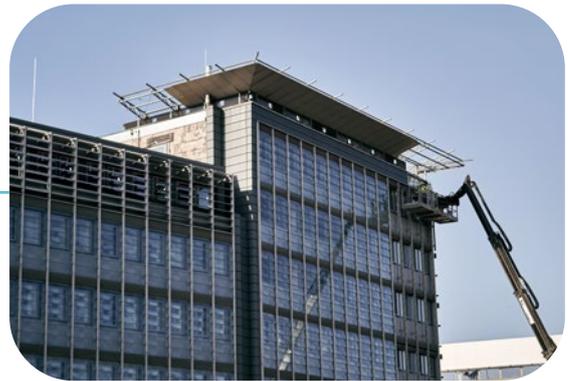
Pre-demolition inventory: **SGS**

Collection of Aluminium

1 DISMANTLING

28
TON

The outer shell of the building contained more than **28 tonnes** of aluminium in total, including both extruded profiles and flat products.



2 COLLECTION

During the dismantling of the building, **98.3%** of the aluminium contained in it has been collected and sent for recycling to produce new aluminium products.

98,3%



IN SHORT



With a collection rate of **98,3%**, this **case study #1** confirms the high collection rates for aluminium building products at their **end-of-life**, as concluded in the study completed by TU Delft in 2004.

