

C2C Day at BAU 2017: Cradle to Cradle now well established in the real estate industry

‘The Future of Construction’ is the theme of BAU 2017 in Munich from January 16 to 21, 2017. To make this future as sustainable as possible, the construction industry needs to make greater use of practical concepts such as Cradle to Cradle (C2C). The manufacturers Schüco, Strähle Raum-Systeme and the Lindner Group are leading by example in this area and will be presented with awards during the C2C Day at the fair.

With over 2,000 exhibitors from 42 countries and some 250,000 visitors, BAU is an ideal forum for the high-profile presentation of sustainability – and thus of the Cradle to Cradle approach. That is why Drees & Sommer has organized the C2C Day jointly with EPEA Internationale Umweltforschung on January 17, 2017, specifically addressing planners and product manufacturers. The focus of the event is on current trends and developments in the area of C2C. For the first time, the newly developed Cradle to Cradle certificate will be presented to the manufacturers Schüco, Strähle and the Lindner Group. Drees & Sommer supports the certification process for construction products.

The company integrates Cradle to Cradle requirements into project planning using Circular Engineering. The Drees & Sommer C2C experts advise principals and investors on the selection and use of appropriate building materials both in new buildings and in the remodeling of the established buildings. In addition to their usability in technical and biological cycles, materials used are examined to ensure, for example, that they do not pose a risk to human health or harm the environment. Energy and water management during production and social standards at the production site are also evaluated. In addition, building materials are transparently recorded in a Material Passport to ensure that, following demolition or remodeling at a later date, they can be reused without loss of quality. This recycling approach transforms the building into a raw material repository, whose value continuously increases, and allows potential increases in value to be reliably calculated. According to Drees & Sommer calculations, Cradle to Cradle can achieve value increases of up to ten percent compared to conventional buildings.

C2C in the construction industry: Making a virtue of necessity

The construction industry uses 50 percent of resources and generates a good 60 percent of waste in Europe. But the Cradle to Cradle principle in the construction industry helps to install the raw materials in buildings in such a way that they can be used as raw material for new projects at the end

of their first service life. In this way, components and materials become part of a closed cycle. Instead of producing mountains of rubble each time a building is demolished, all materials can be fully recycled without loss of quality.

* * *

Drees & Sommer: Your innovative partner for Consulting, Planning, Construction and Operation.

For over 45 years, Drees & Sommer has been supporting public- and private-sector principals and investors in all aspects of real estate. Today, our range of services covers Development Consulting, Project Management, Engineering, Real Estate Consulting, Infrastructure Consulting and Strategic Process Consulting.

We deliver our services based on the understanding that economy, functionality and process quality are just as important as ecology, architecture and wellbeing. At Drees & Sommer, we call this holistic and sustainable approach 'the blue way'. Some 2,150 employees at 40 offices are committed to our clients' success and achieved sales of EUR 300.7 million in 2015.

Drees & Sommer and EPEA Internationale Umweltforschung (Environmental Research) Hamburg are jointly committed to the Cradle to Cradle® principle, bringing principals, investors, architects and manufacturers together to promote the approach.