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WITH THE CONTRIBUTION OF THE LIFE PROGRAMME OF THE EUROPEAN UNION LIFE19 CCM/IT/001243

LCE took part to the 3rd LCIC conference in Berlin

On **the 29th June - 1st July** LCE attended to the **3rd edition of the Life Cycle Innovation Conference, held in Berlin**.

The event allowed to present one of the Rapid Dry posters realised, with **the preliminary results of the Life Cycle Assessment study LCE was carrying on**. At that point indeed, tests on the prototype dryer were still ongoing, and so was the data collection, but it was already clear that the great savings of energy consumption that are possible thanks to the new Rapid dry dryer technologies **allow to obtain a remarkable reduction also of the environmental impact**.

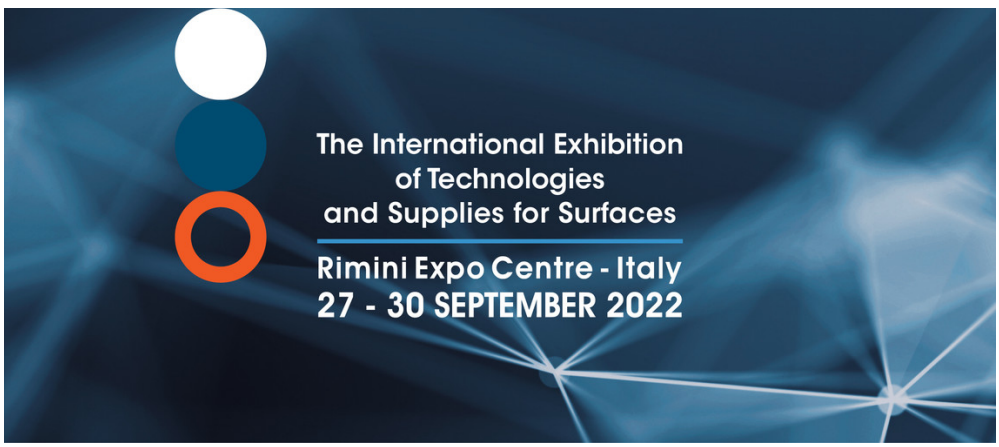
During the event, **several talkings were held to discuss various aspects of the LCA approach**, and the participation of several international companies and research centres made possible a useful exchange of experience.

The event planned to have a specific session where posters were shown, and this gave the participants the opportunity to see them and freely talk with the posters owners, to discover more about the projects presented. This was also a great networking opportunity with other companies potentially interested to Rapid Dry innovation and help spread words about it, which could potentially lead to future collaborations.

Moreover, Rapid Dry will also be present at the next **TECNA fair in Rimini, from 27 to 30 September,** presented by SETEC.

The project can be found at **the 010 stand in the D5 hall.**

See **Tecna Expo**



LCA analysis has been closed

Following the closing of the test sessions in July, where all the necessary data were collected, LCE concluded the LCA analysis and presented their results.

Regarding LCA, the study showed a clear reduction in the environmental impact, especially about the GWP (global warming potential) indicator. This improvement is allowed by the great reduction of energy consumptions achieved thanks to the Rapid Dry dryer innovative technology.

The introduction of a heat recovery system and of an automatic control of the dryer circuits, humidity and temperature, allowed to drastically reduce the waste of energy caused by the traditional dryer technology. The new system introduced with the Rapid Dry project indeed, optimises the drying of ceramic pieces and reduces the drying cycle duration thanks to the possibility to calibrate the power delivered to the real needs of operation. Tests have shown **a 67% reduction of gas consumption and a 86% reduction of electricity consumption** when comparing the traditional and the new Rapid Dry dryers.

The LCA study started from these data but took into consideration also the impact caused by the increased quantity of components (and thus raw materials) required by the new dryer and other aspects of the dryers life cycle like components transportation from the suppliers to SETEC plants and the dryer transportation from SETEC to clients. In order to properly compare the whole environmental impact of the traditional and new dryers, their operating life, considered to be of at least 30 years, has been taken into consideration.

The final results showed a 65% emissions reduction when considering the GWP indicator, and this confirms the overall success of the project that has among its goals the reduction of energy consumption and of the consequent environmental impact of the drying process.

Partners

www.rapid-dry.eu