

An expert, what for?

C3 EXPERT : an ideal performance partner for optimized conveyors, efficient and safe machines !

With many years of experience giving expert advice the flaws and problems with conveyors in service all around the world, C3 Expert aims to make available its in-depth knowledge and expertise to enable user to meet their economic and performance targets, in the most efficient and safe way.

The recurring question

There are businesses, such as those relating to conveyors, where everything seems simple and obvious! After all, globally, "it works"! But at what cost?

When failures and incidents reach an intolerable level, and after exhausting the solutions offered by local specialists, the last remaining solution is to get advice from an expert, who can take an objective view.

Based on the experience gained over many years, C3 Expert has found that problems are often an accumulation of small errors which, taken individually, are insignificant. The solution generally goes through a simplification, an "optimization" of its original design and a well understood application of the standards and mechanic rules with, at the end of day, significant savings on various levels.

So, why such conveyors, unnecessarily complicated and for what costs in terms of construction and operation and for what level of safety?

In order to answer these age-old questions, C3 Expert is now making its expertise available, to enable users to get the best of out of their conveyor systems. The company's solutions, designed for the needs of the user, include:

Tailor-made solutions

Conferences & workshops

C3 Expert offers, on request or as part of professional events, conferences on:

- Technical and safety standards - How to understand and apply them;

- Optimized conception - standard bases, good practices, the stakes involved;
- CE certification - Complications and best practices;
- Calculations: sizing and design / Analysis of results, revision of values;
- and so forth.

Conferences are an ideal way to globally spread a key message to a large audience of those concerned by the subject, and thus to disseminate the best practices.

articles

C3 Expert regularly publishes feature articles on conveyor technology, their components and their adjustments under "a safety procedure, machine on switch off". These publications help to establish "the state-of-the-art" and are intended to help users fill the compliance files of machines. Their applications guarantee high performance and are ironclad arguments in a possible legal dispute.

Many of C3 Expert's articles have been included in *DCI* (see 'Better belt cleaning is vital for a smooth handling process', on p32 of the May issue; 'The risk of unsafe CE certifications for Category C standard equipment', on pp30-31 of April; 'Conveyor design: the principles of the new approach', on pp80-84 of March 2018), as well as on the company's own website.

tutorials

To help users apply its precepts, C3 Expert will soon publish a range of tutorials on conveyors, their design and calculation, their setting and all topics contributing to their improvement.

licenses

How to best disseminate this capital in "knowledge & know-how"?

C3 Expert offers license transfer agreements in the field of conveyors:

- Manufacturers wanting to improve their technology and develop their markets.
- Owners aware of the need and relevance of optimized designs, for a high level of technical, economic and safety performance, and
- Component manufacturers who are committed to supporting their customers with sound advice and thus strengthening their markets.

These licenses include theoretical and practical trainings for all levels. The scientific modules are based on C3® and Traject® software; "In situ" implementation programs are adapted to the training attendees.

labels

C3 Expert's article "Unsafe CE certifications" (pp30-31 of April 2018 issue of DCI) highlights the fragility of many certifications, most, especially in the field of conveyors, which can be requalified "insincere", with serious consequences.

C3 Expert is able to offer users a label ensuring the best match with the standard obligations, based on a thorough audit of the compliance file, supported by a well-argued file.

About C3 Expert

The company C3 Expert, certified in industrial system¹, is led by Marc des Rieux, expert in the field of handling conveyor belt and elevator, with 32 years of experience, in 43 countries. Its previous missions² of expertise, troubleshooting, engineering and calculation, project owner assistant, training, constitute a unique database.

This knowledge has been enriched by years of research and development conducted in partnership with several high-ranking engineering institutions. This multidisciplinary led to the development of internationally recognized computer programs that have helped to establish and validate the company's innovative optimized designs and its methods of adjusting conveyors "machine is at a standstill, be safe", for a very high level of reliability.

¹ OPQIBI Certification

Certificate No. 08 04 1980 attests that the holder has the ability to perform and has already carried out the services for which it is qualified under the heading [17 Engineering of industrial structures and systems / 1711 Study in handling, ...].

² C3 Expert in the world

230 appraisals

130 troubleshooting missions

12 remarkable new works projects

70 rehabilitation projects

180 trainings

Marc des Rieux, Expert

✉ marc.desrieux@c3-expert.com 🌐 www.c3-expert.com