

PREON[®] box

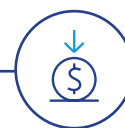
FOR HALL CONSTRUCTION



EASY PLANNING



FLEXIBLE



COST EFFECTIVE



STRUCTURAL
HOLLOW SECTIONS &
DEDICATED SOFTWARE
TO PLAN SMART
& DESIGN BETTER

PREON® box, combining hollow sections with unique planning software for column-free hall construction.

PREON® box drastically simplifies the construction of wide span steel structures and saves up to 30% in materials.

STRUCTURAL HOLLOW SECTIONS

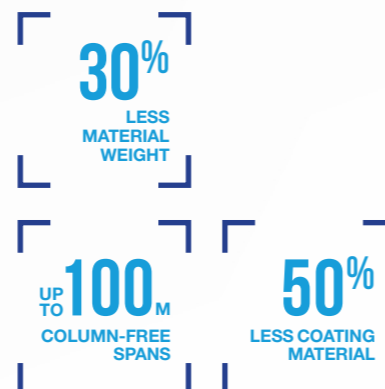
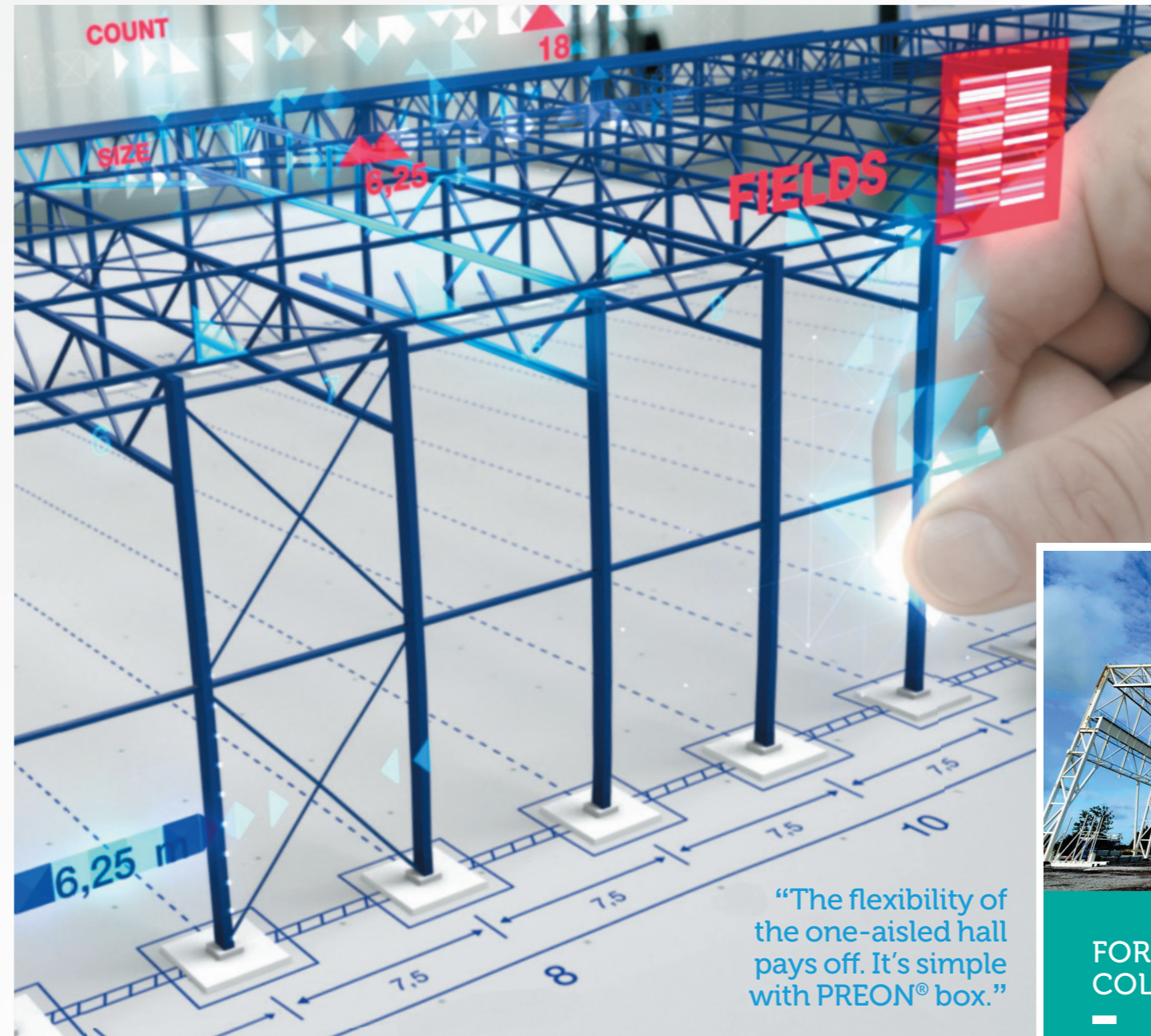
Vallourec, hot-finished Structural Hollow Section (SHS) (acc. EN 10210) brings numerous advantages compared to open sections:

- Higher static values: allow weight savings up to 30%
- Simplified operations: sharp edges, tight corners make welding easier
- Less surface area: saving 50% in surface coating material
- Visually impressive: closed and simple geometry creates clear lines with sharp edges

UNIQUE SOFTWARE

Vallourec developed planning software that integrates SHS static values in load assumptions for foundation and structural calculations.

- Provides the planning data you need: for processing your project at every phase - from foundation to detailed engineering
- Easy to use: allows comparisons of single and multi-aisled halls to be made at the push of a button
- Flexible: easy to change parameters, add areas, widen the roof span, the calculations adapt immediately



YOUR PROJECT IS INDIVIDUAL

Realise your project with one of our PREON® box partners. Benefit from our network of planning and execution companies. We can put together the team of regional and international experts to support your project from design to construction.

NEW STANDARDS IN HALL CONSTRUCTION



EASY PLANNING

Unique software drastically simplifies the planning phase



FLEXIBLE

Changes can be made instantaneously



COST EFFECTIVE

PREON® box saves in materials and operation steps during construction



FOR THE WIDEST COLUMN-FREE HALL SPANS

References

PREON® box has already been used for various structures: aircraft hangars, sports halls, trade fair halls, and industrial halls in Germany, France, Brazil, USA and China.

Standard steel grades are usually used for PREON® box. Special static requirements are covered with FineXcell® - The multipurpose tube.

Standard
Grades

FineXcell®
The multi-
performance
tube

Available as

SHS
The shape
of ideas

PREON® box MAKES INTELLIGENT HALL CONSTRUCTION POSSIBLE



NEED MORE INFORMATION?

Watch the PREON® box movie
by scanning the following QR code.



vallourec.com



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