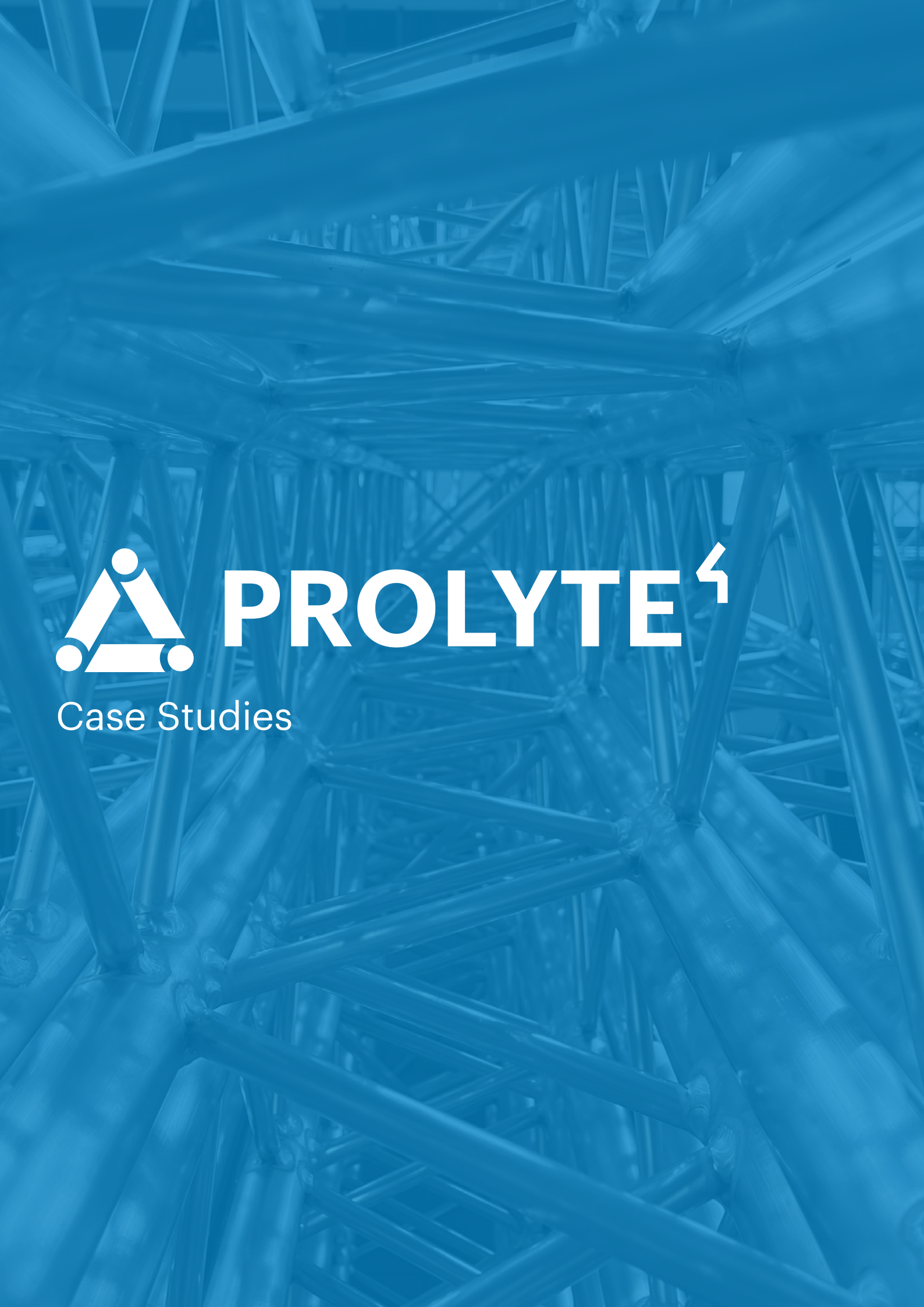


PROLYTE

Case Studies

Why do we need case studies?

Case studies are a proven and well-established technique. They enable those who study the case to apply theoretical concepts in real world situations.

Case studies come in numerous formats - from a simple "What would you do in this situation?" question to a detailed description of a situation with accompanying data to analyse.

Most case the case studies require us to answer an open-ended question or develop a solution to an open-ended problem with multiple potential solutions.

> "Having evidence-based case studies detail how you helped a customer solve their problem and reapply these solutions in similar situations."

By studying case study examples we are actively engaged in figuring out the solutions; consequently developing skills in:

1. Problem solving
2. Using analytical tools, both quantitative and qualitative
3. Decision making in complex situations
4. Coping with ambiguities
5. Learning how to apply optimal solutions in similar situations

We, as professionals can use cases to:

- Understand how other companies have coped when faced with a challenging dilemma
- Apply lessons learned from other organisations to your own company
- Master and implement new ways of working
- Obtain digestible information through brief but focussed content
- Access a breadth of quantitative worked examples with practical application
- Understand how to put research into practice
- Learn from best practice examples as well as business and project failures

We will now briefly analyze 5 different projects Prolyte has done in the past years as different case studies.

Actavo Ireland - Space Roof

About the project

Actavo has been an active user of Prolyte products for a very long time. In addition to various trusses and a large stock of barriers, Actavo has had a Prolyte Tunnel roof for a long time already.
In october 2021, they invested in the Space Roof, and with this, Actavo is able to set the next steps in the upcoming events, festivals and shows in Ireland.

The Space roof delivered to Actavo consised of **four C52T towers** with a coverage area of 26 x 16m and a clearance of 10m. By making optimal use of the aluminum keder profiles, a **tech area of 4,14m deep** has been created over the full width and depth, both backstage and in the sidestage. The roof is modular and **can be built in several sizes** and with the investment made at this moment, possible further growth of the roof was also taken into consideration.

The Space roof gives designers and riggers unprecedented possibilities, with an option to make a rigging point on every square meter. In addition, the roof structure with the Space frames lends itself to walk in, which makes working in this roof safe and easy.

Although the training and first build would usually take place on a location from either the customer or at the Prolyte premises, the Space roof was delivered immediately for a first event. The training, given by professional Prolyte trainers, was also a physical load-in for the roof. The first user, the Belsonic festival in Belfast, had made the site available a week earlier so that the Actavo team could be properly trained.

About the Space Roof

The Space Roof is a modular roof system based on a space frame structure. The roof can be suspended from standard Prolyte CT towers. The aluminum profiles combine with special node points to create a roof structure of any desired size or shape. The Space Roof can be **built up to 37 x 22 meters** in size. The specially designed top canopy guarantees efficient water drainage. Due to the complexity and size of the Space Roof, quotations are made on request only, allowing us to match your requirements with the possibilities this system offers.

Strong points

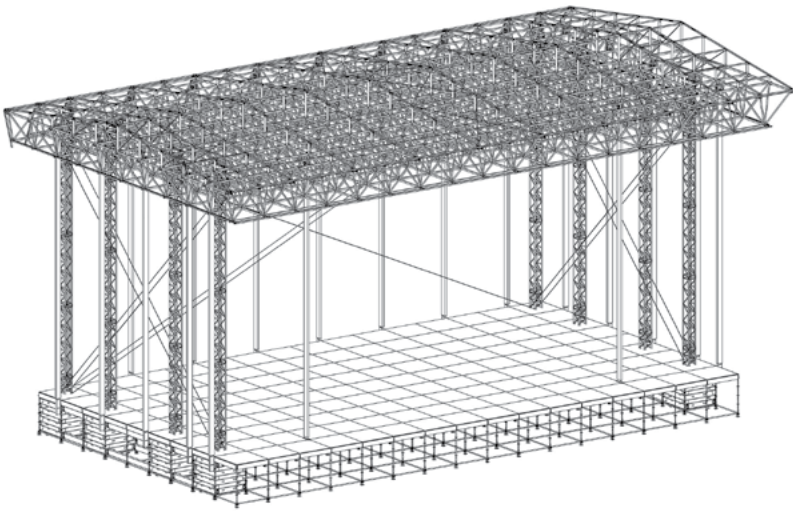
- Modular roof system, modular sizes possible.
- Extremely high load-bearing capacity.
- Efficient transportation due to very compact transport volume (approx. 1/6th of a comparable truss roof).
- Integrated rigging points.
- Safe and easy rigging access due to 2 m high frame and measurements comply with standard scaffolding systems.
- Stage sub-structure needs minimum amount of diagonals, allowing for easy creation of corridors underneath.

Basic structure

- Towers - C52T
- Grid - Space frame

Including

- Tension gear and steel wires
- Structural report according to DIN 4112 / EN13814 C
- Ballast solution
- Rain gutter at the front side
- 8 cm wide profiles



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