

Roof technology for many uses,  
made from hot-dip galvanised steel

Verified structural strength

Certification as per  
DIN ISO 9001/EN 29 001  
by TÜV-CERT

Cassette Roof System

Fast. Use with any scaffold system.



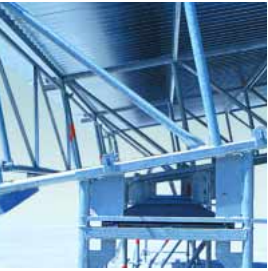
Layher® 

More Possibilities. The Scaffolding System.

More possibilities. With sophisticated technology.

# Layher Cassette Roof System.

F a s t . I n d e p e n d e n t f r o m s c a f f o l d s y s t e m .



The beam support transmits the roof loads into the supporting structure and compensates for differences in the width.



The top chord of the girder holds the roof cassettes; it doubles as the girder connecting element and the water drain-off.



Roof cassettes are locked using wedges and hence are safe against being lifted off; they form a walk-on roof surface and truss stiffener in one.

The essential task of the Layher cassette roof system is to protect the structure and equipment from the effects of weather. But day-to-day practical work proves that more is possible.

## Persuasive technology

Modular components join up into a whole, handy individual parts plus practical connecting and stiffening elements speed up the assembly without compromising on load-bearing capacity. Surprisingly few individual elements nevertheless permit a large number of assembly variants; all steel parts are hot-dip galvanized for long and frequent use.

The Layher cassette roof has a convincing design: regardless of what height it is mounted, of what the length is of the structure to be roofed, of what spans have to be covered, of what load has to be sustained.

## Persuasive economic efficiency

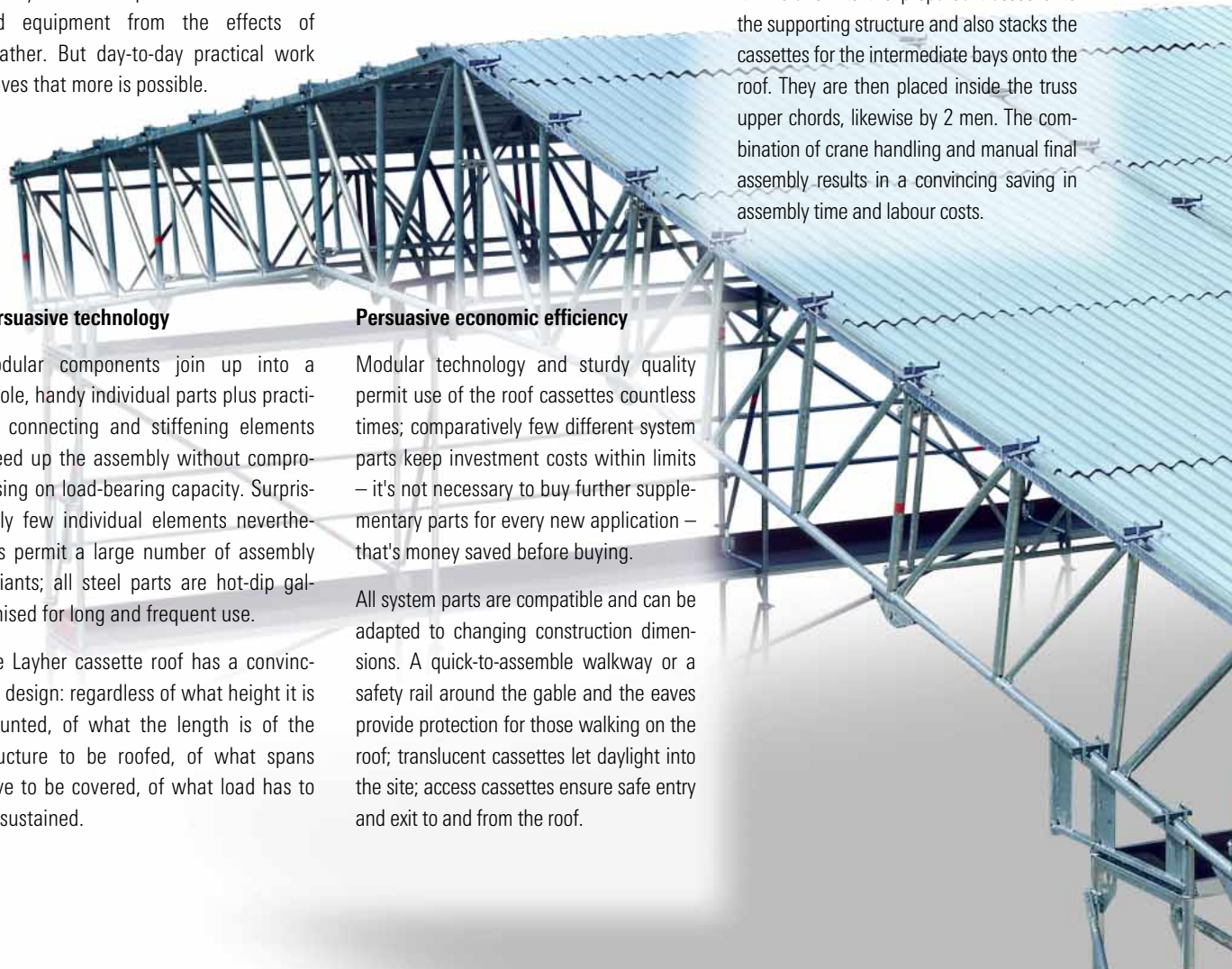
Modular technology and sturdy quality permit use of the roof cassettes countless times; comparatively few different system parts keep investment costs within limits – it's not necessary to buy further supplementary parts for every new application – that's money saved before buying.

All system parts are compatible and can be adapted to changing construction dimensions. A quick-to-assemble walkway or a safety rail around the gable and the eaves provide protection for those walking on the roof; translucent cassettes let daylight into the site; access cassettes ensure safe entry and exit to and from the roof.

## Persuasive advantages

Stability plus the additional stiffening effect of the roof cassettes lead to a clear saving on material, with positive effects for the overall structure. Only a few girder stiffeners are needed, and usually tension bars can be dispensed with or their load-increasing effect used instead. Only every second bay is assembled as a complete truss on the ground, the intermediate bays are then simply closed on the roof using cassettes.

The low amount of material needed is matched by the speed of assembly: just 2 men place the cassettes inside the truss chords – without the tedious work of pulling or lashing them down – they're just positioned, fixed using wedges, and that's it. A crane lifts the prepared trusses onto the supporting structure and also stacks the cassettes for the intermediate bays onto the roof. They are then placed inside the truss upper chords, likewise by 2 men. The combination of crane handling and manual final assembly results in a convincing saving in assembly time and labour costs.

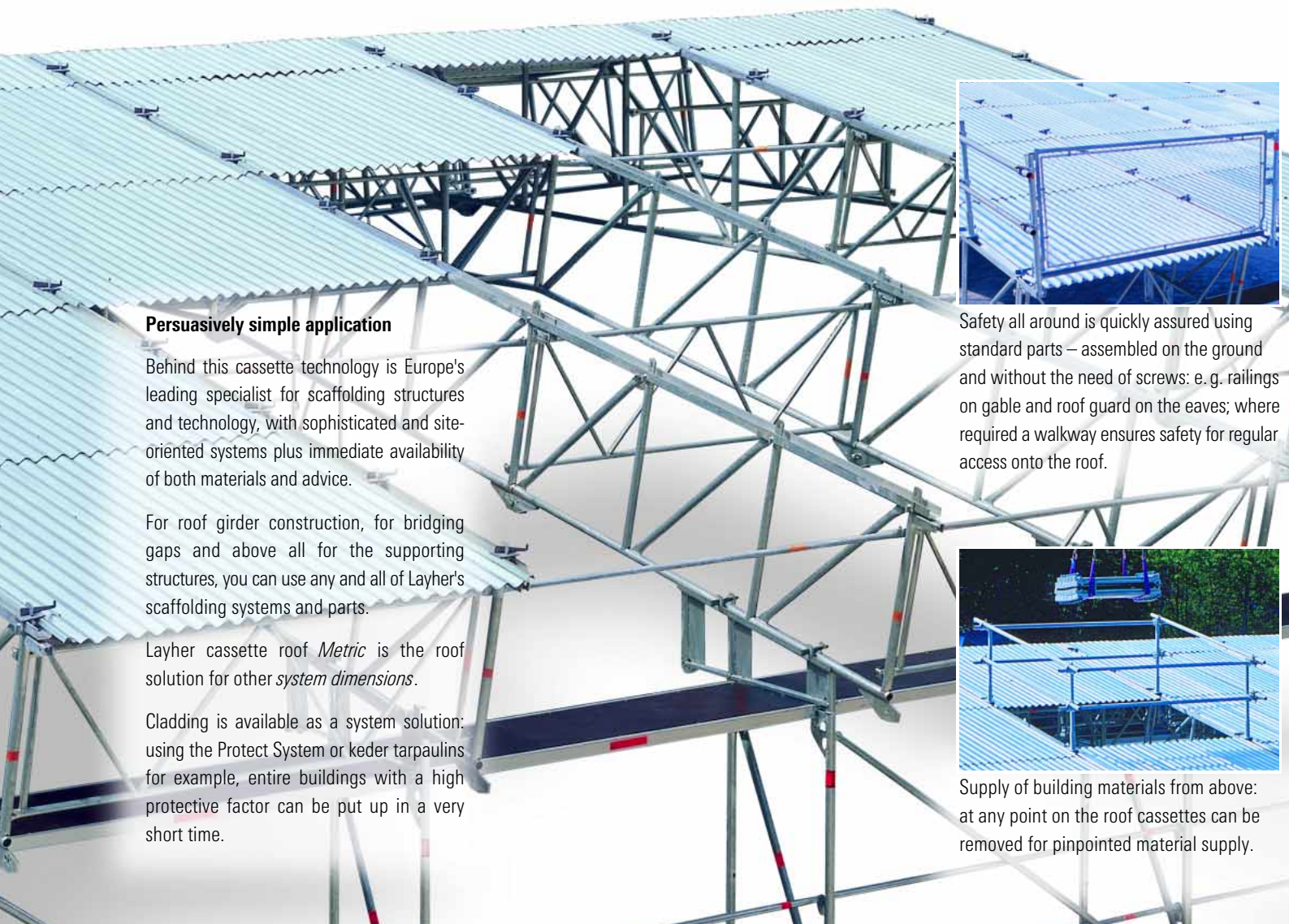
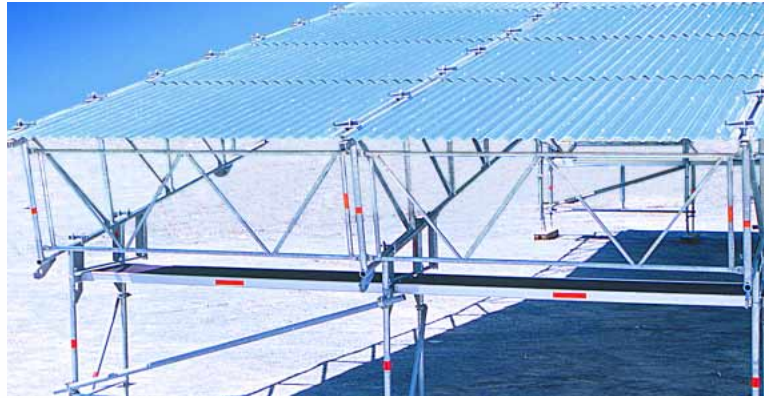




# Practical and flexible modular technology.

The system for a wide range of applications.

With an even number of bays, a truss bay and an infill bay are assembled as a unit and positioned together using the crane.



## Persuasively simple application

Behind this cassette technology is Europe's leading specialist for scaffolding structures and technology, with sophisticated and site-oriented systems plus immediate availability of both materials and advice.

For roof girder construction, for bridging gaps and above all for the supporting structures, you can use any and all of Layher's scaffolding systems and parts.

Layher cassette roof *Metric* is the roof solution for other *system dimensions*.

Cladding is available as a system solution: using the Protect System or keder tarpaulins for example, entire buildings with a high protective factor can be put up in a very short time.



Safety all around is quickly assured using standard parts – assembled on the ground and without the need of screws: e. g. railings on gable and roof guard on the eaves; where required a walkway ensures safety for regular access onto the roof.



Supply of building materials from above: at any point on the roof cassettes can be removed for pinpointed material supply.

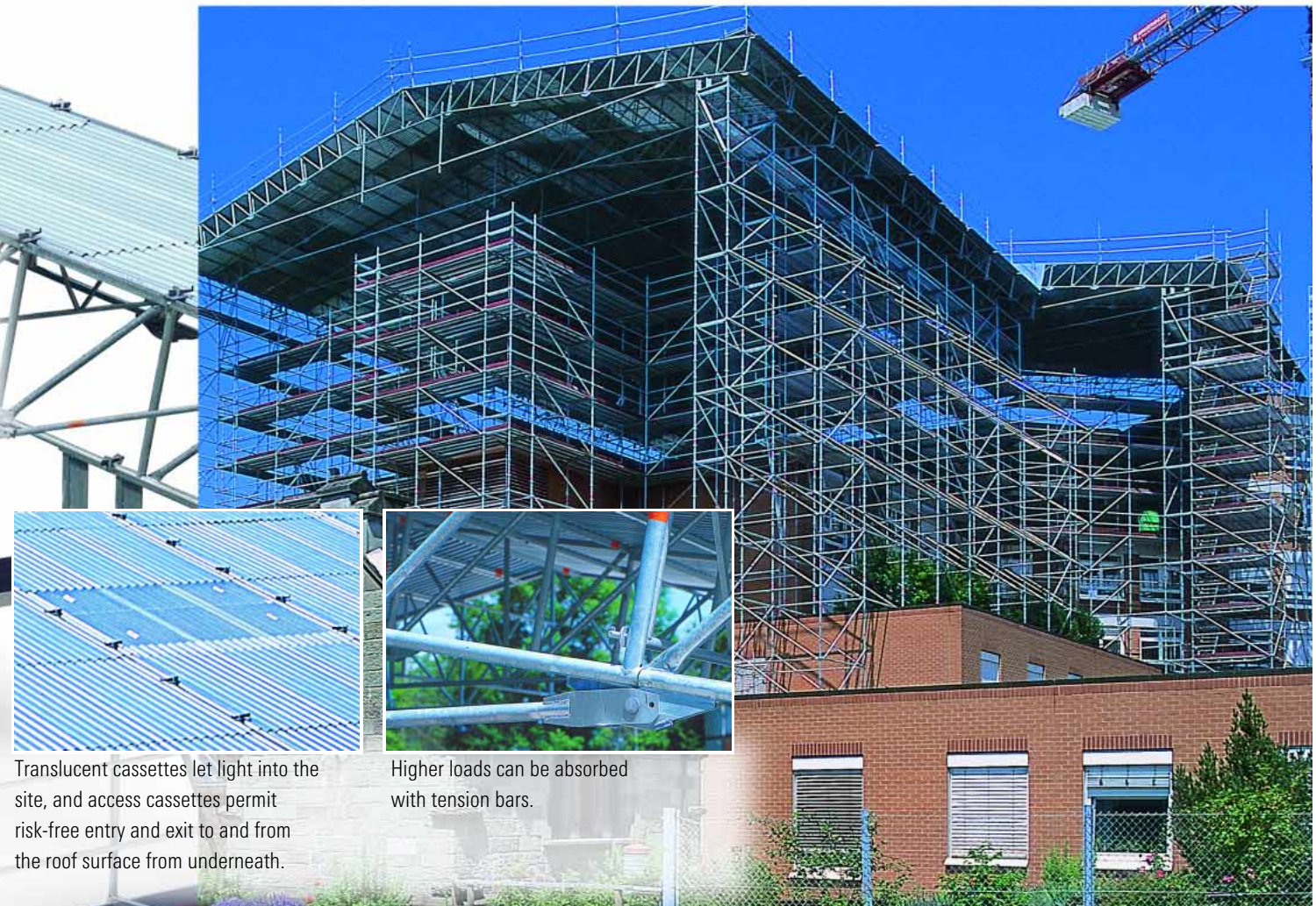




Mobile structures are possible without major expenditure.

**Independent of the weather:**

For weather proof cladding there are system solutions "off the peg", using tarpaulins or Protect cassettes depending on the respective requirements.



Translucent cassettes let light into the site, and access cassettes permit risk-free entry and exit to and from the roof surface from underneath.

Higher loads can be absorbed with tension bars.



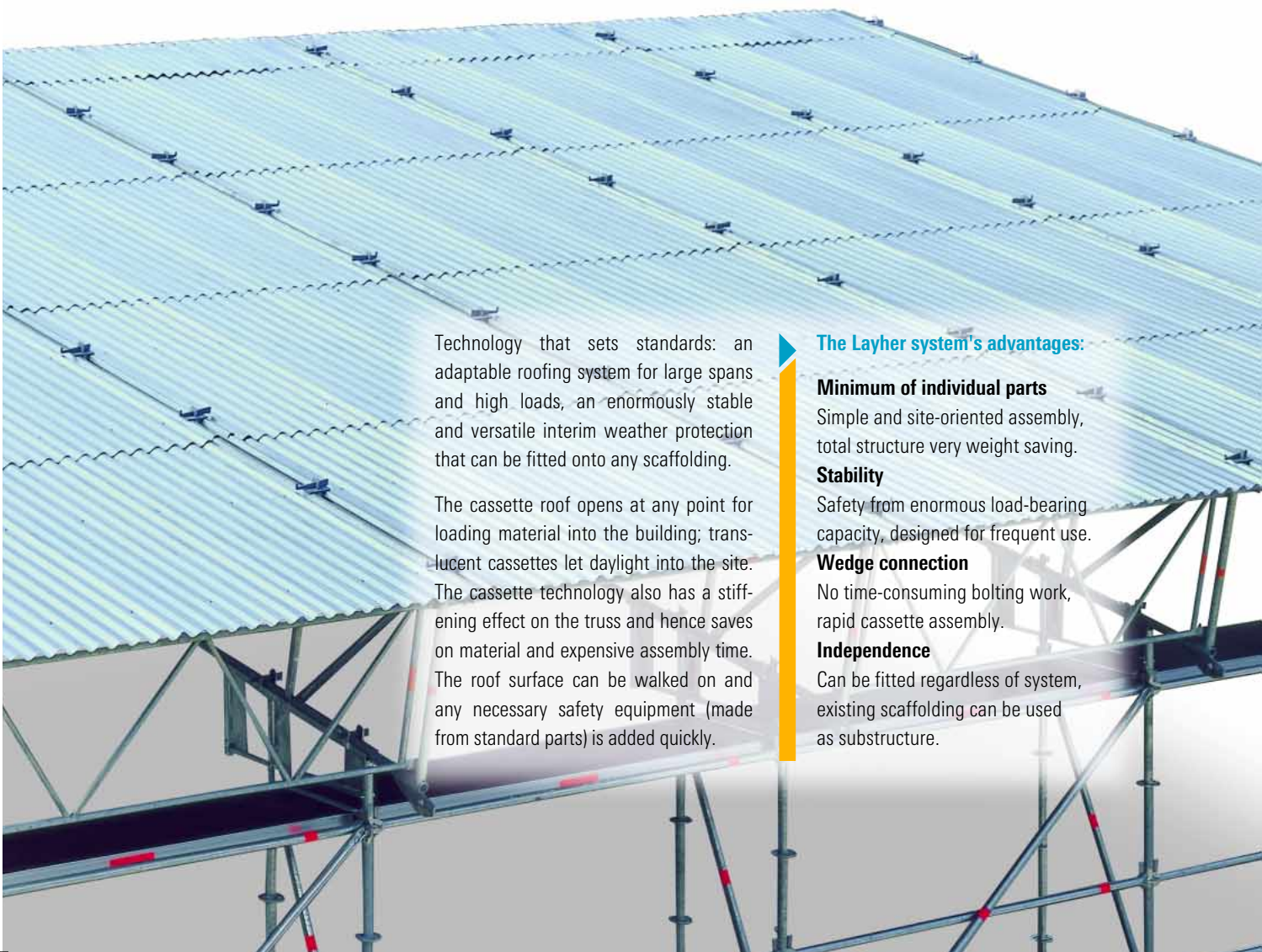


# Persuasive solutions.

For inexpensive and labour-saving roof provision.



The girders are connected and stiffened on the ground, the roof cassettes placed on them, and the finished unit is lifted by crane onto the supporting scaffolding. Only every second roof bay is assembled as a complete truss. That saves on materials and assembly time.



Technology that sets standards: an adaptable roofing system for large spans and high loads, an enormously stable and versatile interim weather protection that can be fitted onto any scaffolding.

The cassette roof opens at any point for loading material into the building; translucent cassettes let daylight into the site. The cassette technology also has a stiffening effect on the truss and hence saves on material and expensive assembly time. The roof surface can be walked on and any necessary safety equipment (made from standard parts) is added quickly.

## The Layher system's advantages:

### Minimum of individual parts

Simple and site-oriented assembly, total structure very weight saving.

### Stability

Safety from enormous load-bearing capacity, designed for frequent use.

### Wedge connection

No time-consuming bolting work, rapid cassette assembly.

### Independence

Can be fitted regardless of system, existing scaffolding can be used as substructure.

We're there for you. Wherever and whenever you need us.

## Layher in Germany

Branches and delivery warehouses nationwide.

## Layher International

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All dimensions and weights are guideline values.  
Subject to technical modifications.  
We shall make delivery exclusively on the basis  
of our currently valid general terms of business.

## The Layher Product Range

