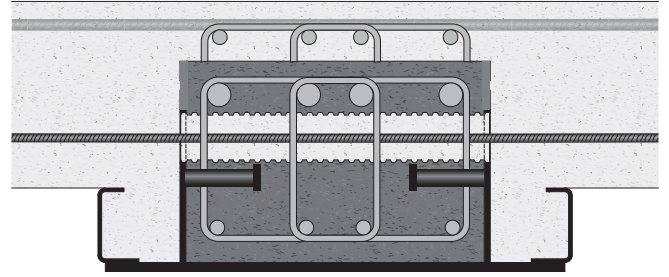
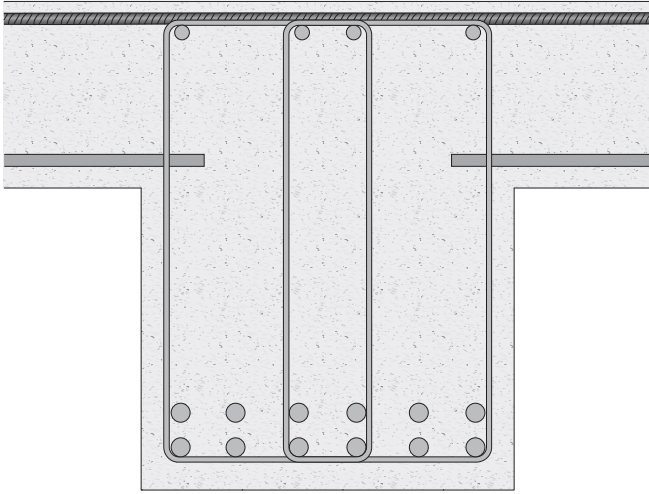


Reaching the goal
without obstacles

PFEIFER
Hybridbeam®

PFEIFER



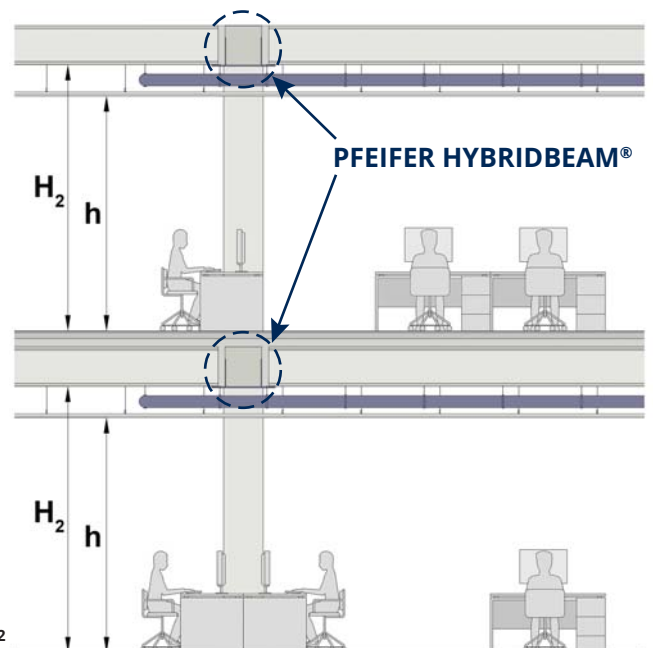
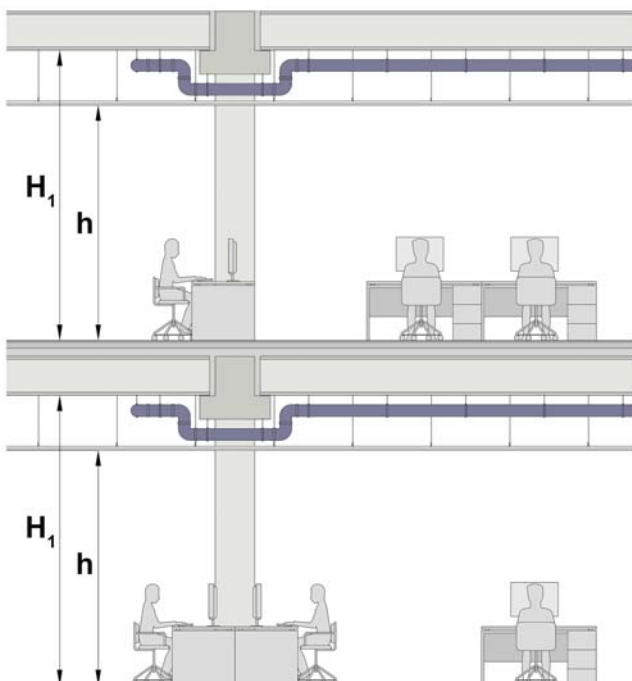


ECONOMY

- Reduction of excavation work and further savings due to lower underground storey walls and a smaller area for damp proofing (water)
- Less expenditure on the structural walls of the facility
- Reduction of the room volume while maintaining the planned building area and the comfort of use – Reduction of the costs for finishing and maintenance (heating/cooling and ventilation)



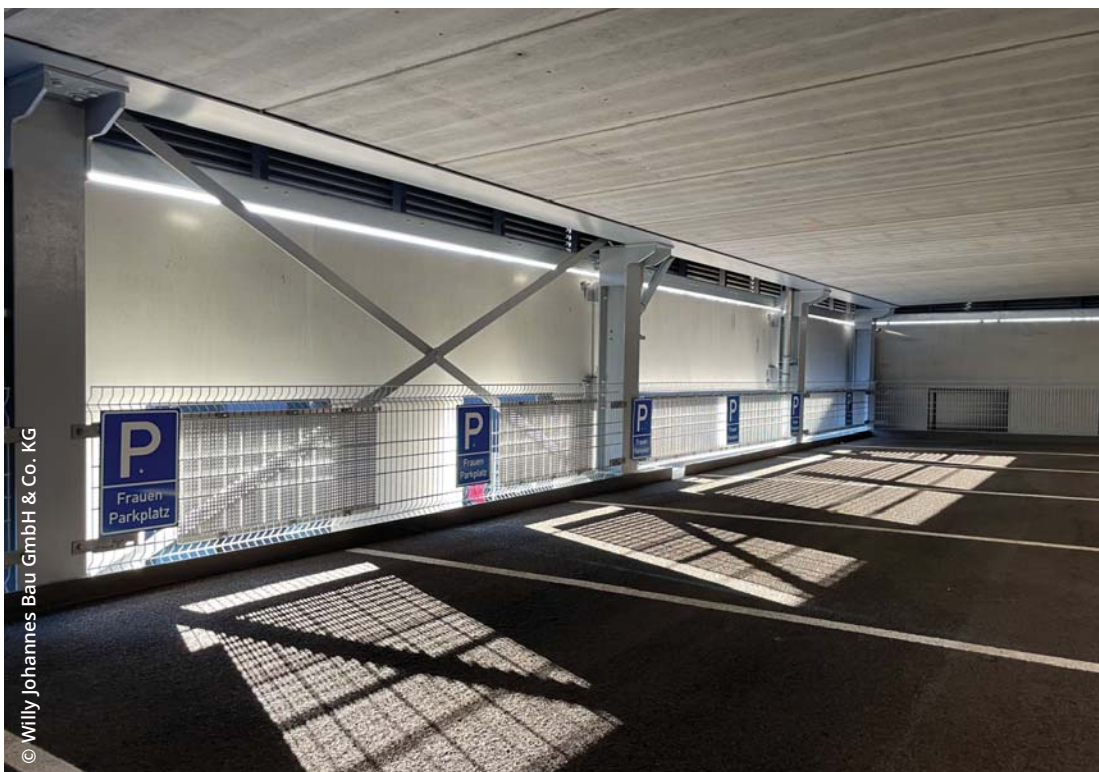
Smaller volume – office building, Hamburg, Germany



$$H_1 > H_2$$

TECHNICIAN

- A lower foundation height of the structure with the same (required) height of the basement floors – an aspect that is particularly important when the plant is founded on soils with a relatively high groundwater level
- Reduction of excavation work by raising the foundation level – an important aspect especially in highly urbanized areas with dense development, where excavation work are often severely restricted
- Collision-free installation of underfloor installations under the hybrid beam without reducing the usable height of the storey
- Monolithic reinforced concrete columns produced on site do not require cumbersome formwork



Application areas
of hybrid beams
PFEIFER Hybridbeam®



Further projects at
www.hybridbeam.eu

Lowering the structural ceiling height –
multi-storey parking lot, Kiel, Germany



Lowering the structural ceiling height in selected sections for easier (collision-free) installation of suspended ceiling installations – Campus Loddenheide office building, Germany



ENVIRONMENT

- Shortening of the construction process (especially excavation works) – reduced environmental impact
- Lower displacement of the plant – lower energy demand, lower CO₂ emissions during the construction phase and lower energy demand for heating/cooling/ventilation of the plant during the operation phase



Environmental
Product Declaration

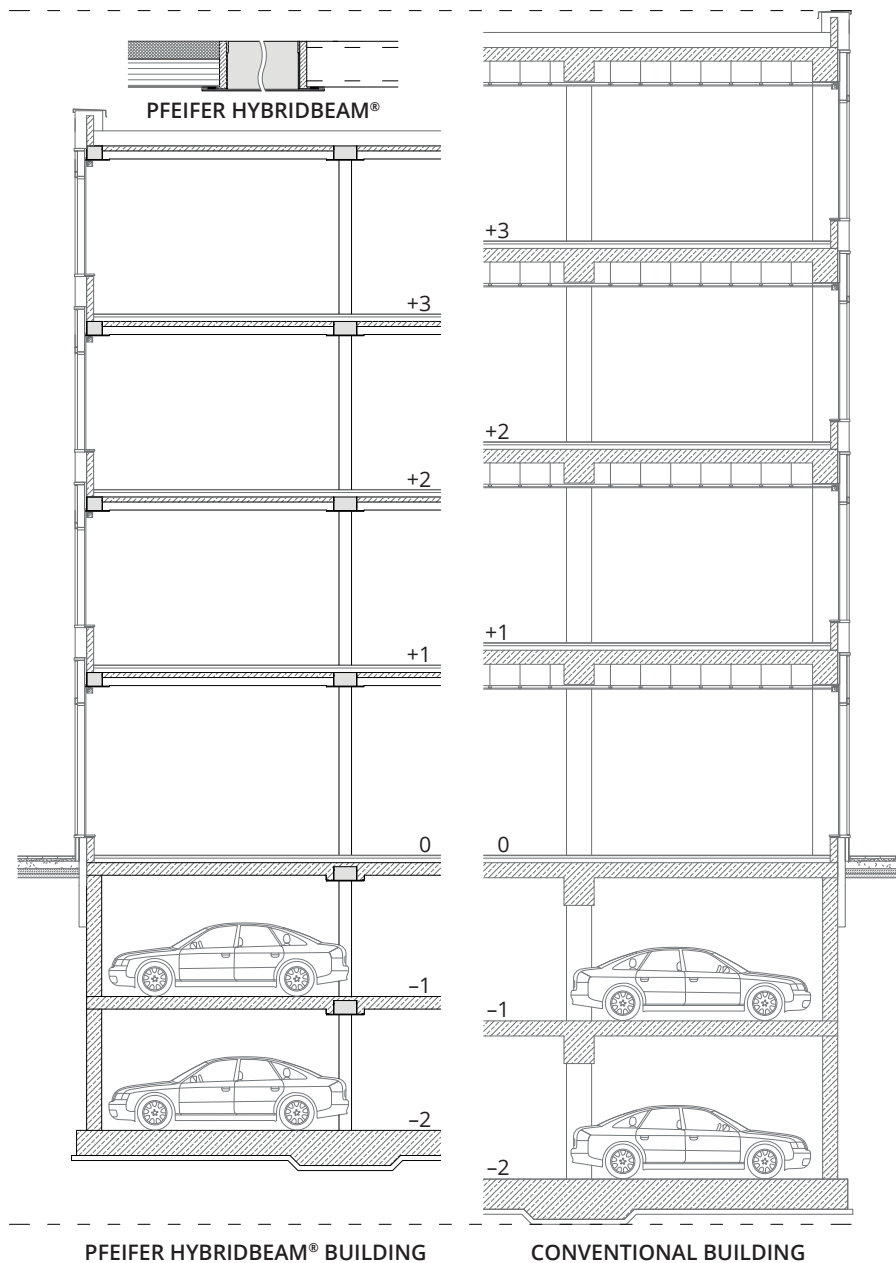


- Environmentally friendly product (EPD declaration), manufactured in a sustainable production process that reduces CO₂ emissions into the atmosphere

Apartment house, Husum, Germany



PFEIFER Hybridbeam® – cost-effective and versatile solution for all ceiling types and diverse applications



Residential



Multistory parking garages



Public buildings



Office building



Shopping centers

PFEIFER Hybridbeam® beams are available in 18 basic types, but special solutions are also possible.



Technical information



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