

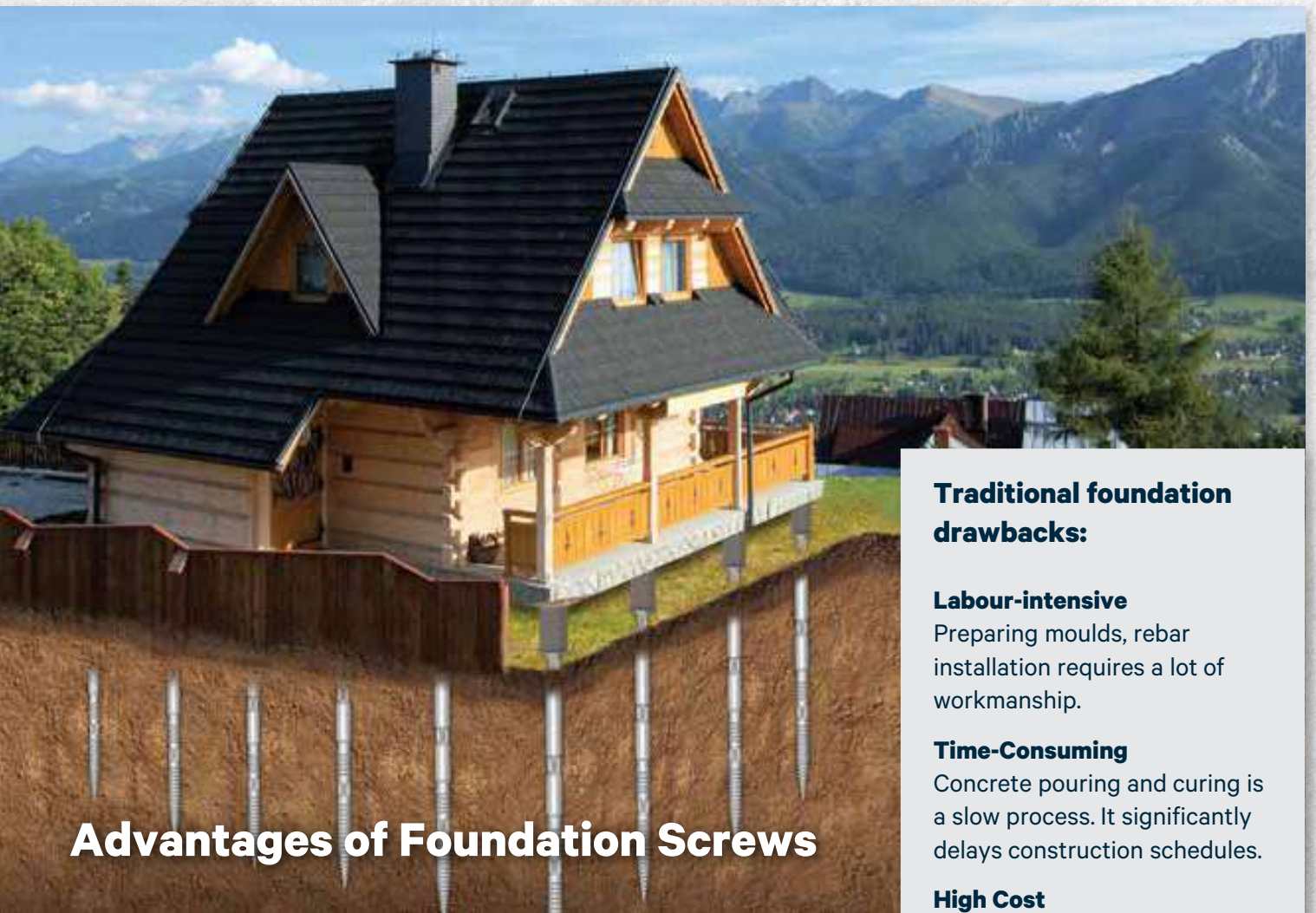


FOUNDATION **SCREW:**

A REVOLUTIONARY
GROUNDWORK
SOLUTION



POLARKON



Advantages of Foundation Screws



Speed

Installation is much faster than traditional methods.



Cost-Effective

Reduced labour and material costs provide savings.



Environment

Minimal site disruption and reduced carbon footprint.

- Cost saving
- Fast and efficient installation
- No excavation for foundation
- No moulds
- No rebar installation
- No concrete pouring
- No waiting time for concrete setting
- Immediate use after installation
- Residue free dismantling (if required)

Traditional foundation drawbacks:

Labour-intensive

Preparing moulds, rebar installation requires a lot of workmanship.

Time-Consuming

Concrete pouring and curing is a slow process. It significantly delays construction schedules.

High Cost

Extensive excavation and material costs add up quickly. This makes traditional foundations expensive. Hauling of the excavated material and importing backfill material with compaction increases the cost.

Environmental Impact

Concrete production releases substantial carbon emissions. Excavation disrupts the surrounding environment, damages local ecosystems.

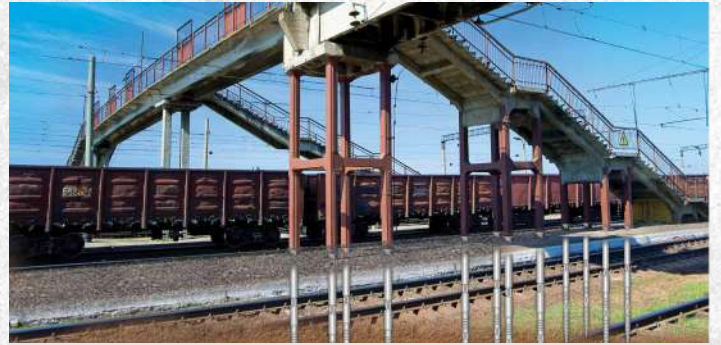


Technical Benefits of Foundation Screws:

- Installation depths up to 16-meters
- Load carrying capacity up to 12 tons (with D=139.7-mm screw)
- Galvanised or stainless steel based on feasibility study
- High precision (automatic balancing during screwing)



Landscape application



Overpass foundations



Railway electrical pole foundations



Tinyhouse foundations



Solar farm foundations



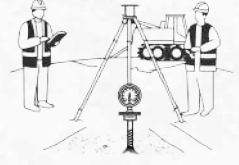
Carport foundations



Ecological Benefits of Foundation Screws:

- 100% recyclable material.
- Residue-free removal.
- Minimal pollution of the environment.
- Renaturation is not required.
- Significantly reduced CO2 emissions.
- No soil sealing

Installation Procedure



**Site assessment for
evaluating soil conditions
and project requirements**

**Driving the screw into
the ground**

**Test load-bearing capacity to
verify design requirements**



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