

**MADE
IN
GERMANY**

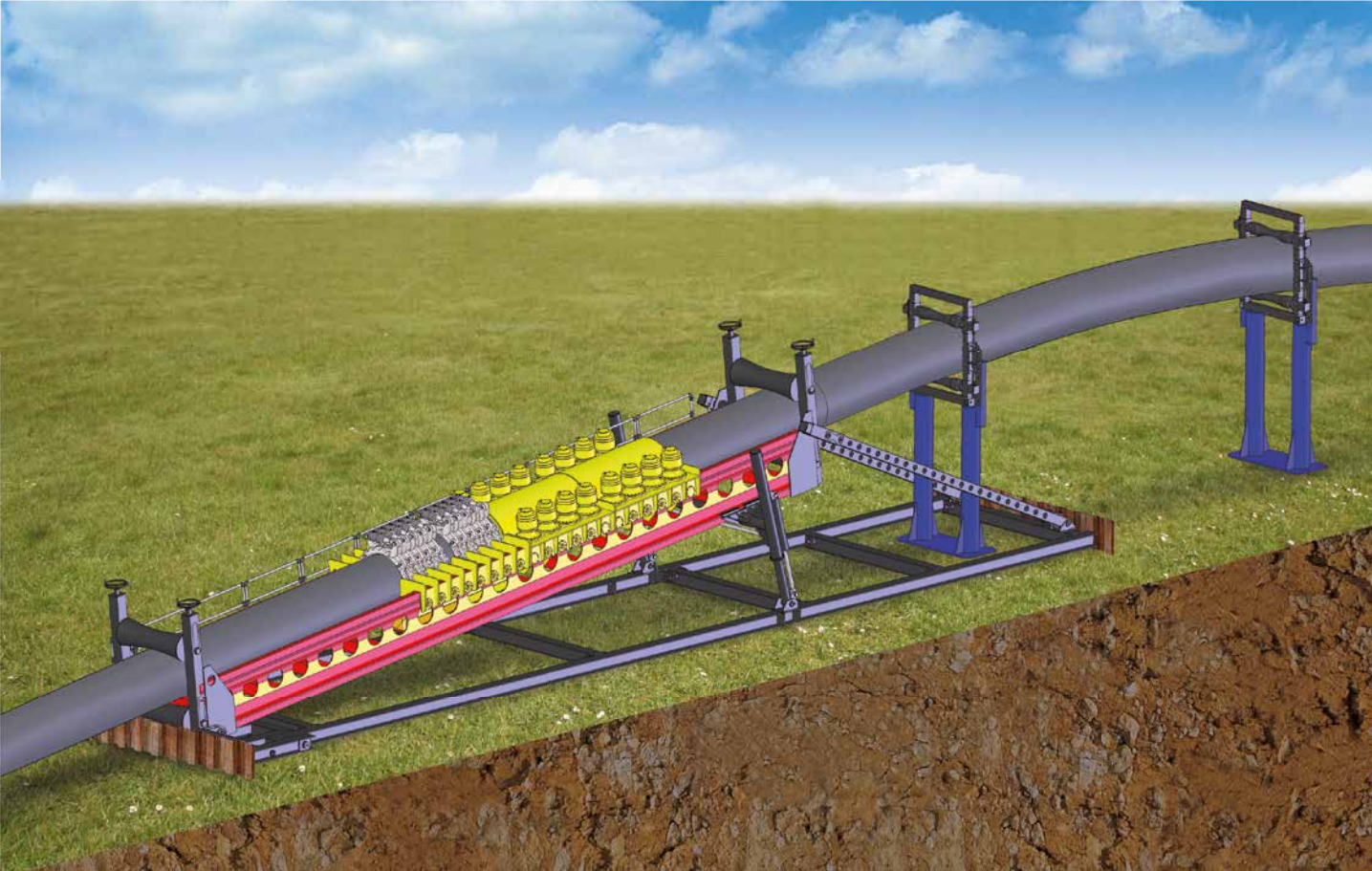
**Prime Pipe Pusher
400 t - 1,000 t**







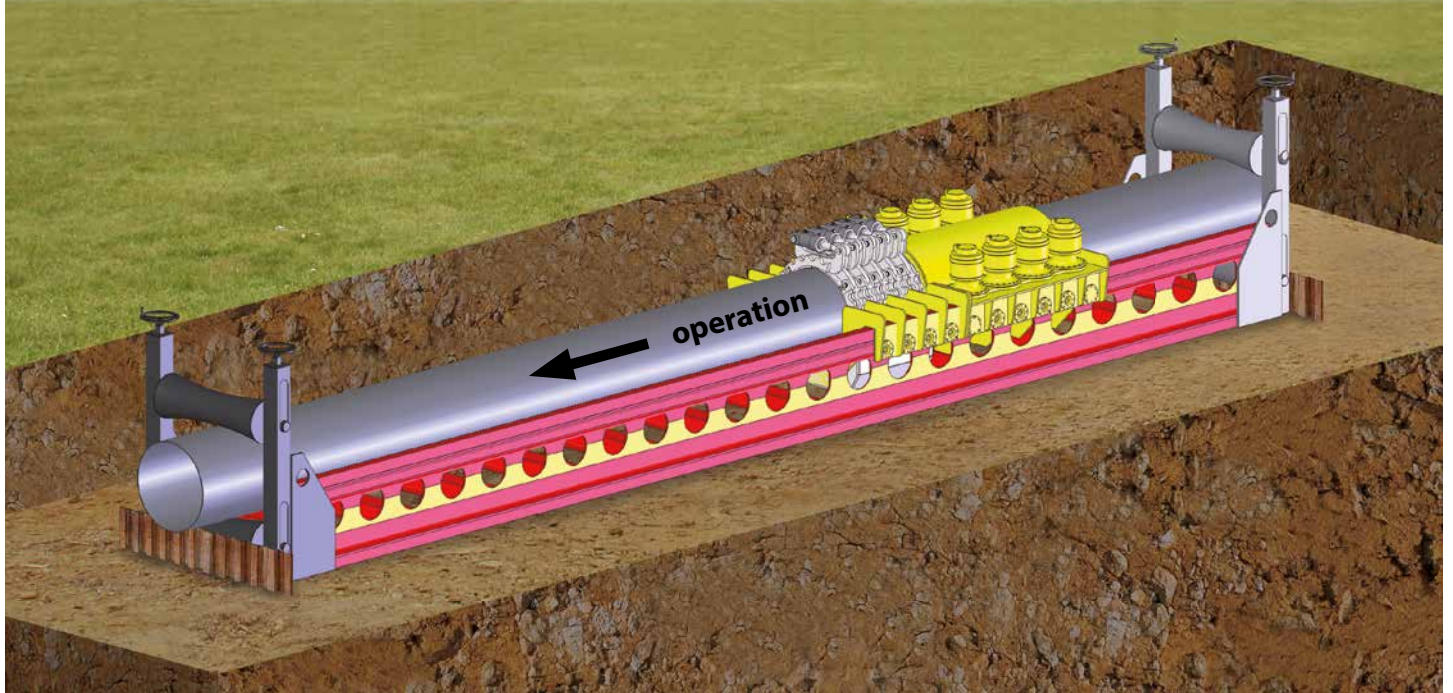
Extra Power for Pipe Pullback



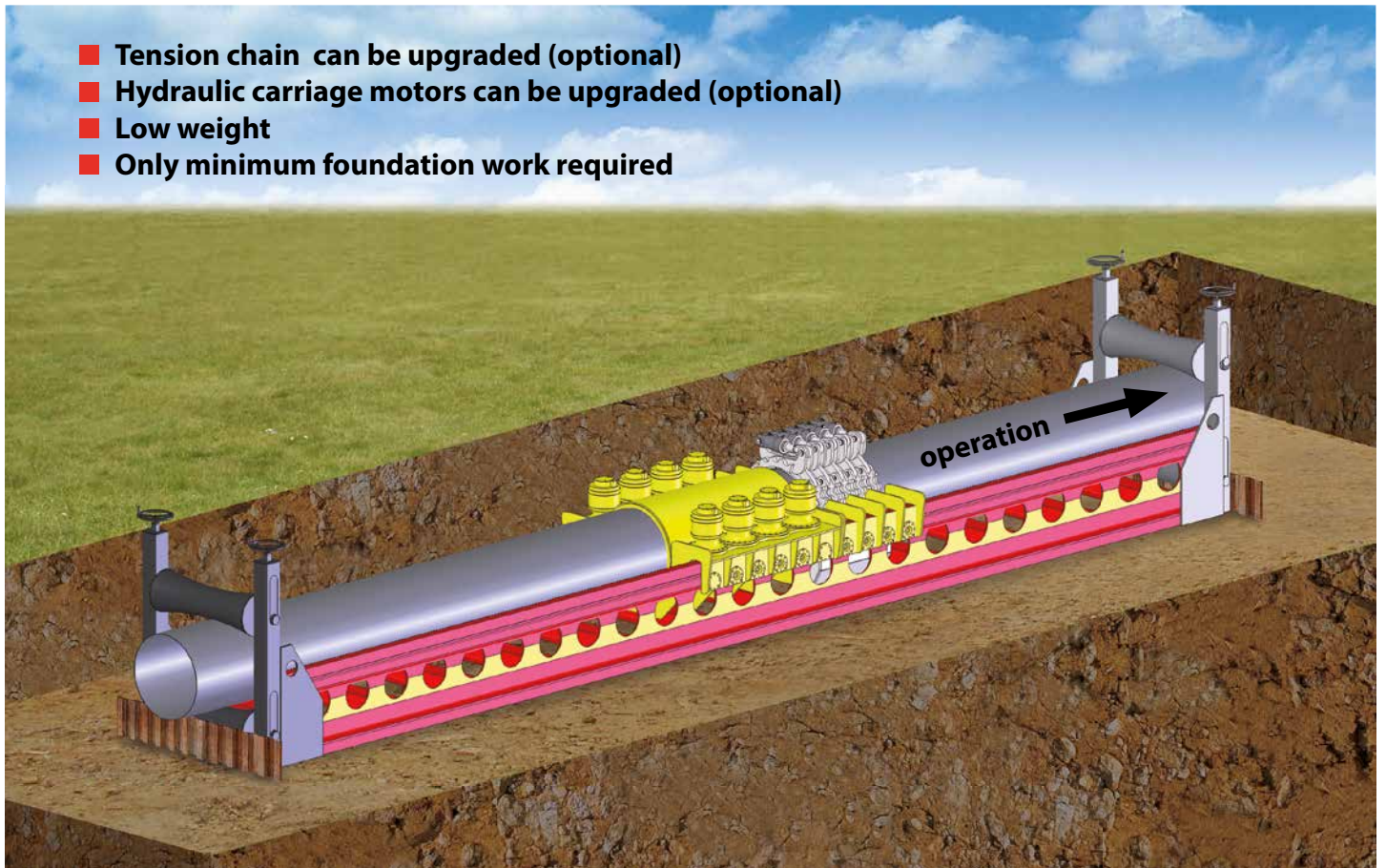
Pipe Pusher PPP 400 RP (PPP 1,000 RP)



- Pull-/Push force of 400 t up to 1,000 t
- Operating in both directions
- Variable feeding length of 6 m up to 24 m
- Suitable for any diameter ranging from 20" to 60"



- Tension chain can be upgraded (optional)
- Hydraulic carriage motors can be upgraded (optional)
- Low weight
- Only minimum foundation work required



Versions of Prime Pipe Pusher

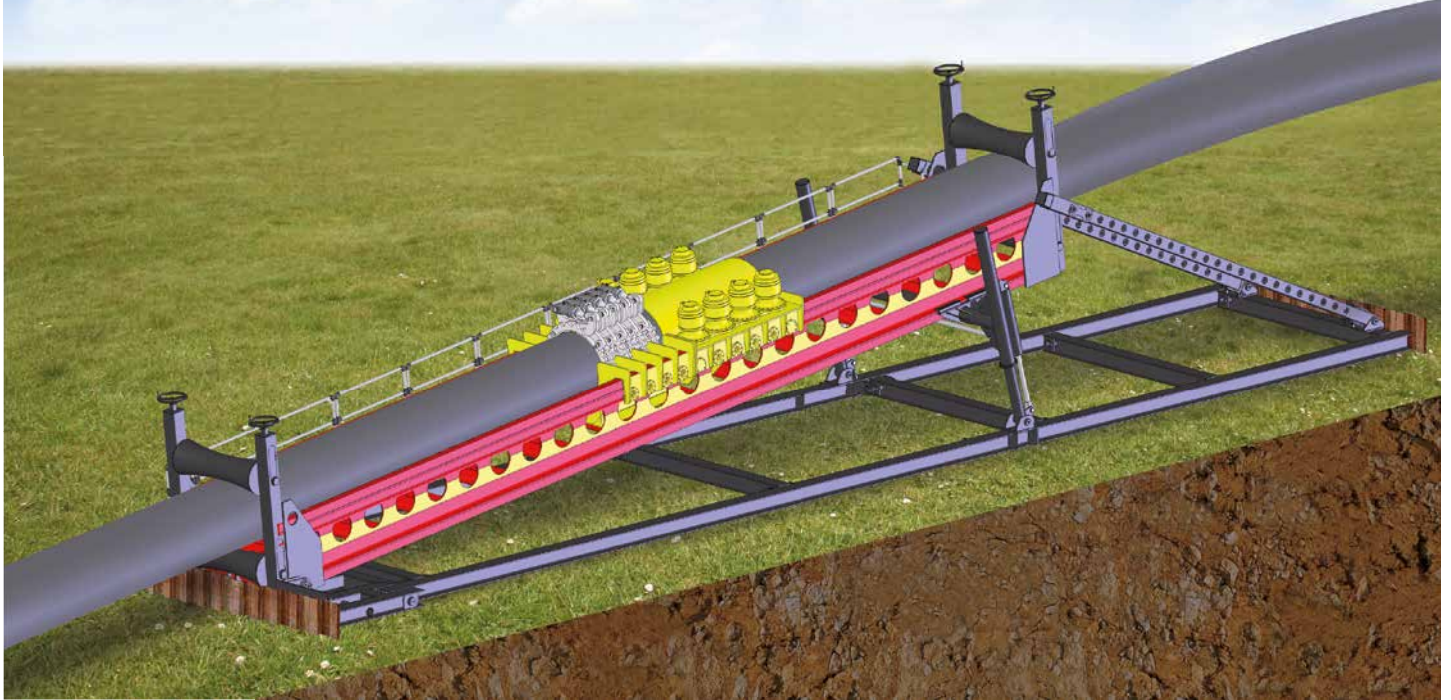
Conversion to Prime Pipe Pusher, Frame Version

PPP 400 RP-F (PPP 1,000 RP-F)

Pull- /Push force: 400 t up to 1,000 t

Clamping range: 20" up to 60"

Weight: approx. 50 t



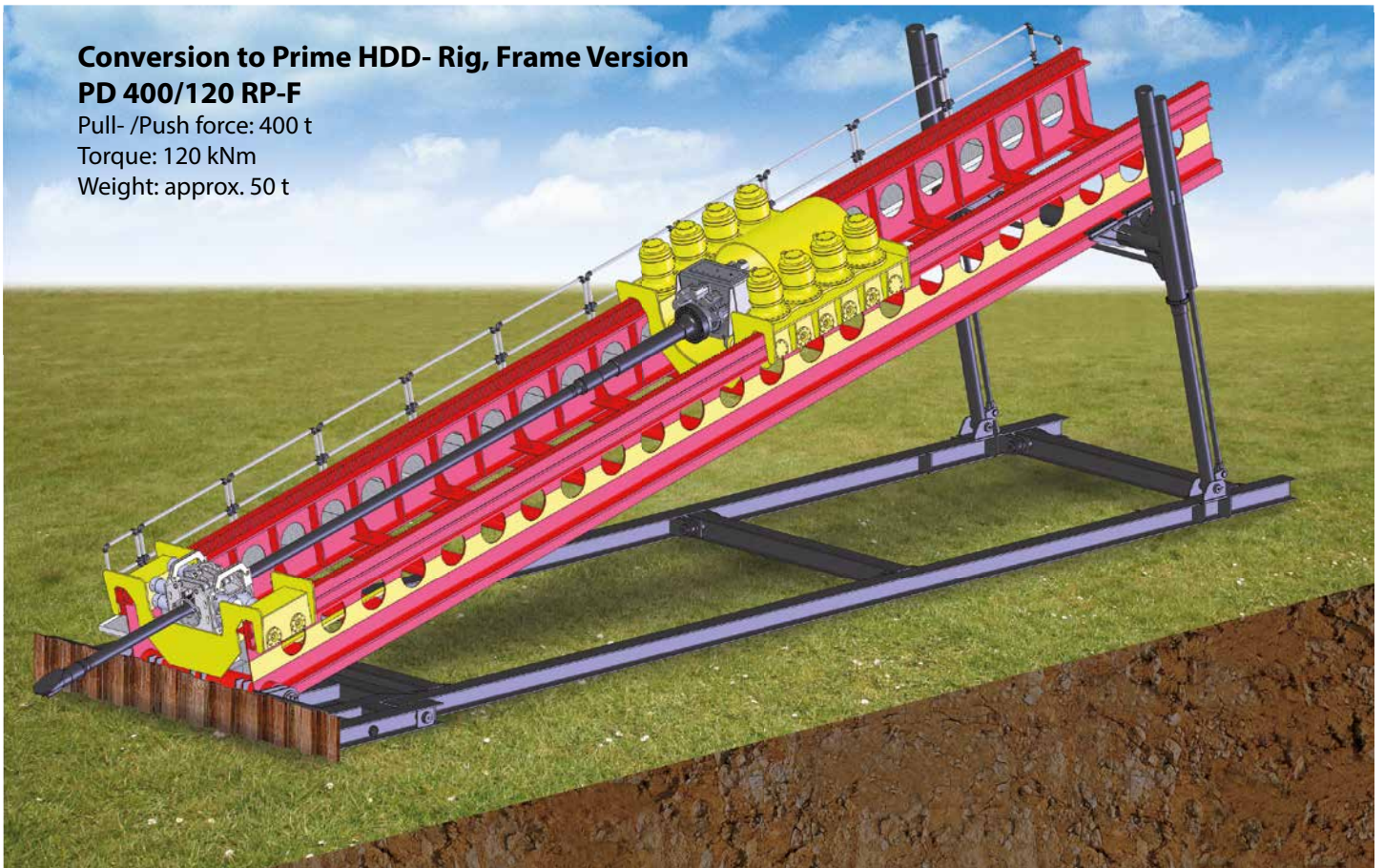
Conversion to Prime HDD- Rig, Frame Version

PD 400/120 RP-F

Pull- /Push force: 400 t

Torque: 120 kNm

Weight: approx. 50 t



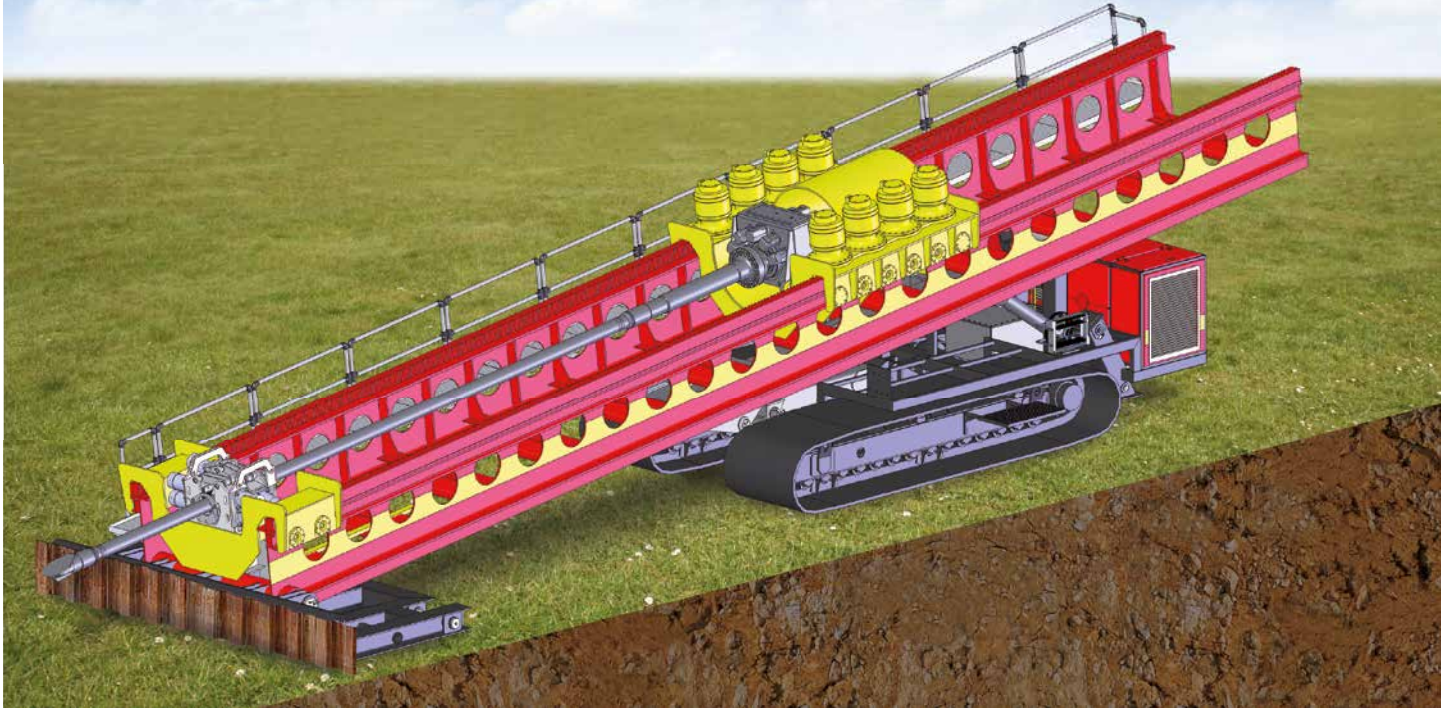
Conversion to Prime HDD- Rig, Crawler Version

PD 400/120 RP-C

Pull-/ Push force: 400 t

Torque: 120 kNm

Weight: approx. 60 t



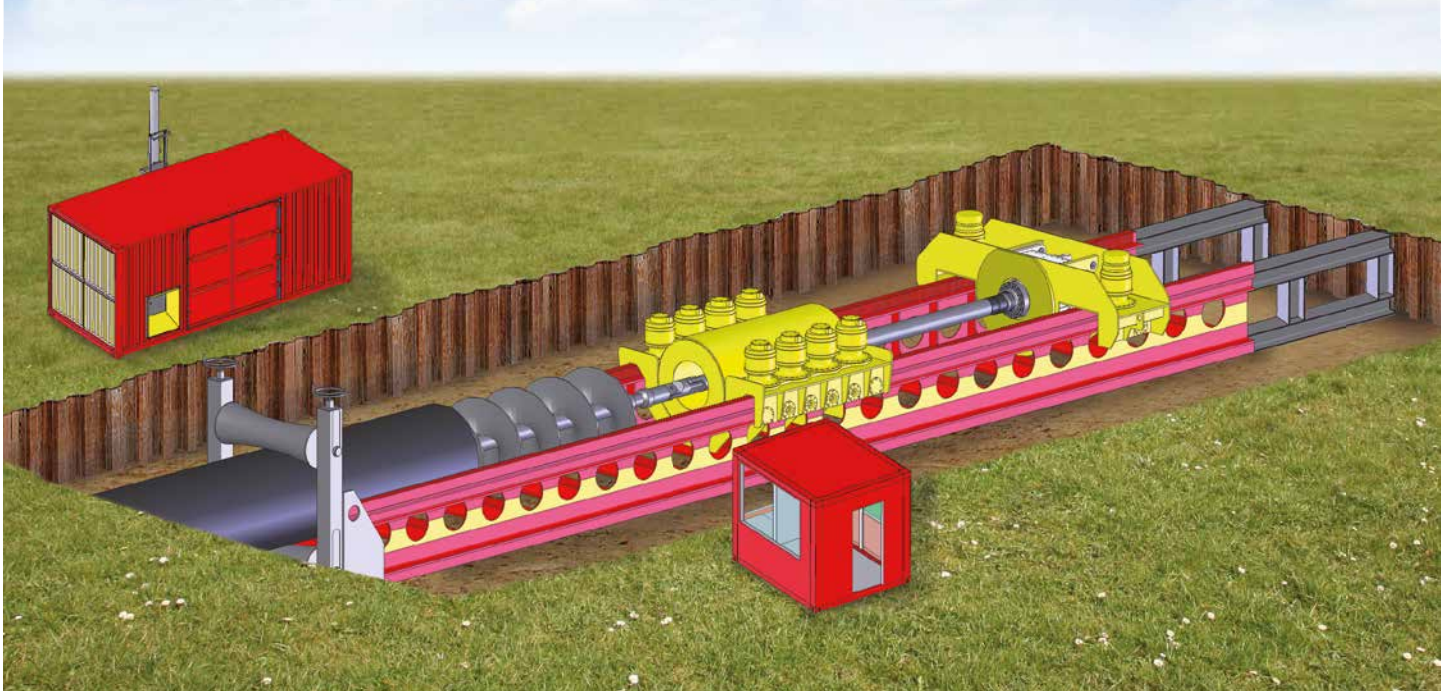
Conversion to Auger Drilling Machine

PPB 400/90 RP (PPB 1,000/90 RP)

Pull-/ Push force: 400 t - 1.000 t

Torque: 90 kNm

Weight: approx. 42 t



Technical data

Advantages:

- Best possible enclosing angle
- Even level of power transfer (no damage to PE, PP, GFK coatings)
- Light weight
- Equal push and pull forces
- Suitable for any diameter
- The number of chains can be extended when higher push or pull forces are needed (optional)
- Only minimum abutment work required.

The Prime Pipe Pusher mainly serves for additional **push** perfect solution for application

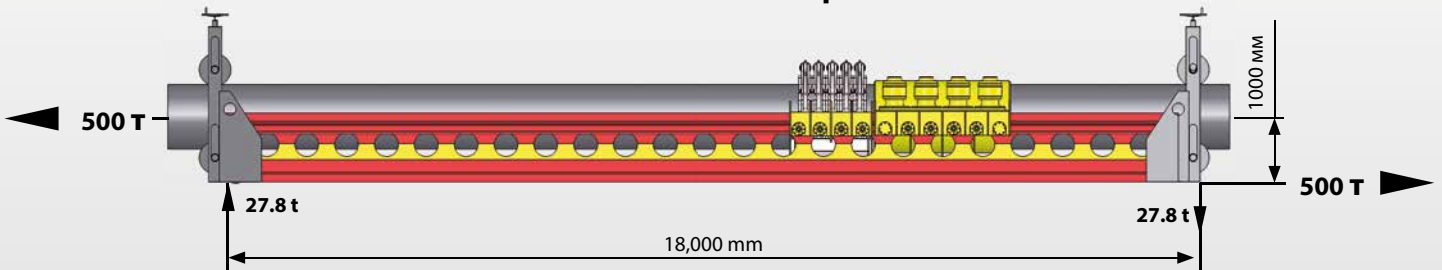
On customer's request the **Prime Pipe Pusher** is also available. Depending on customer's requirements and job-site alternatively on a slide or on steel frame. In combination offers the perfect solution for demanding job-sites

Push force is transferred via a **number of tensioning** pipe to be pulled in. The geometrical shape of the at the entire circumference of the pipe and thus

The casing is directly linked to the feeding system (cylinder, thus allowing for a maximum

This system enables a unique **light weight**

Resultant forces of 500 t pull force

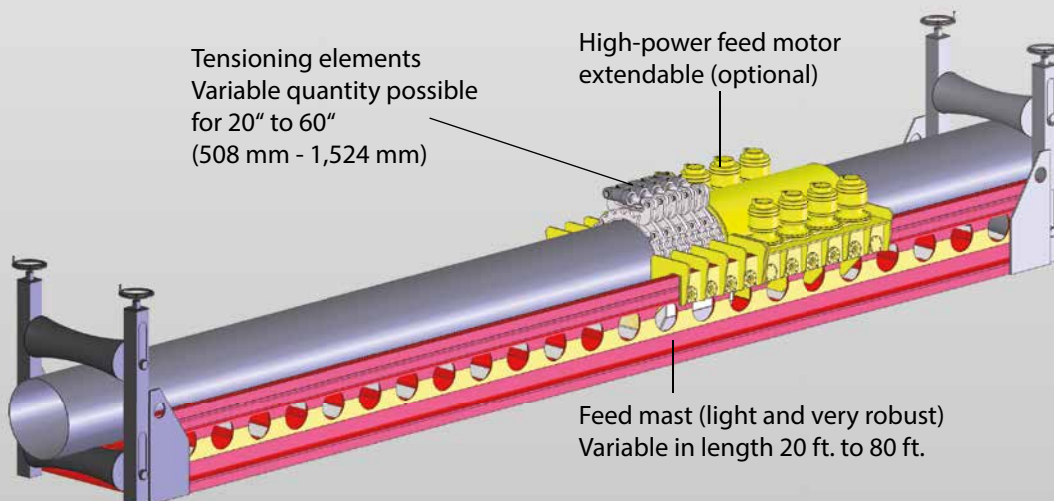


System structure of Prime Pipe Pusher

PPP 500 RP

Pull-Push force: 500 t up to 1,000 t

Weight: approx. 50 t



or pull force with pipe pullback, but also offers the combined with tunnel boring machines.

able with cylinder drive or Rack & Pinion (R & P) system. conditions the Prime Pipe Pusher can be mounted nation with the optional drive systems this product working with the pipeline diameters of 20" to 60".

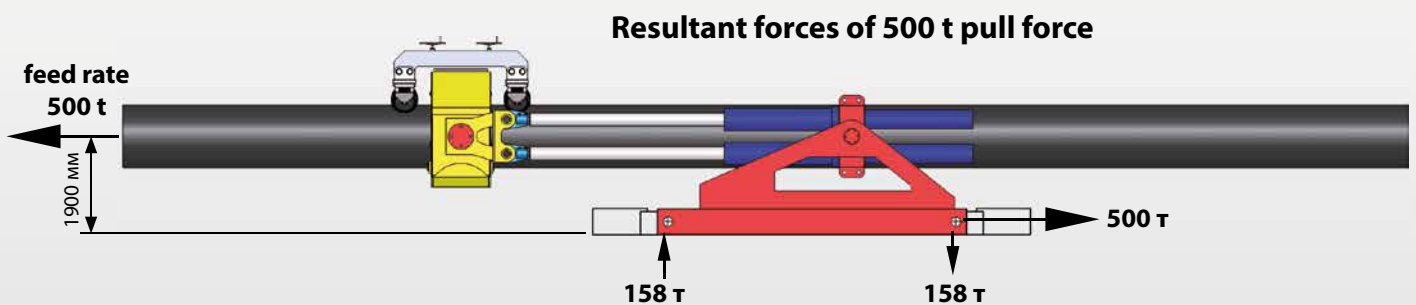
chains, which are installed into a chain housing, onto the tensioning chain guarantees an even surface pressure enables transfer of a push force of up to 100 t per chain.

R&P) and has a capacity of four to ten tensioning chains, push force of 400 t to 1,000 t.

construction with utmost stability.

Advantages:

- Best possible enclosing angle
- Even level of contact pressure (no damage to PE, PP, GFK coatings)
- Suitable for any diameter
- The number of chains can be extended to allow for transmission of increased force (optional).
- Rotating base frame.

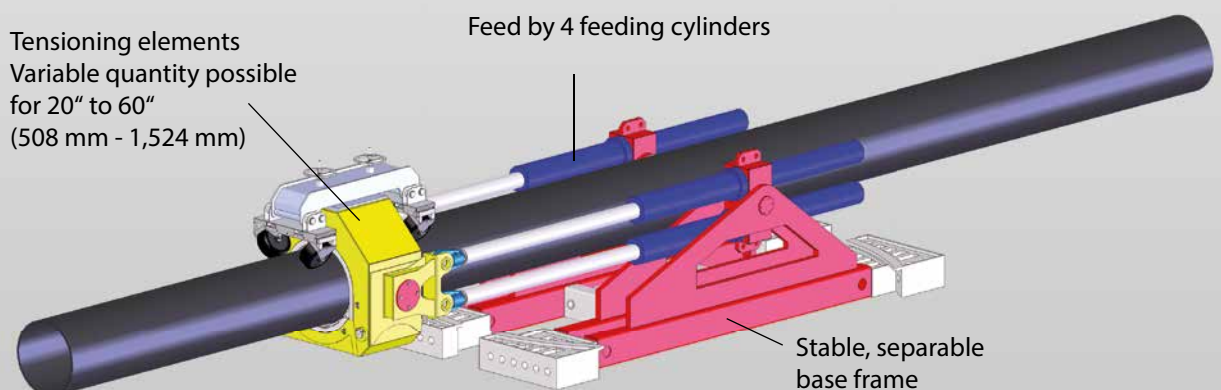


System structure of Prime Pipe Pusher

PPP 500 DZ

Pull-Push force: 500 t

Weight: approx. 45 t

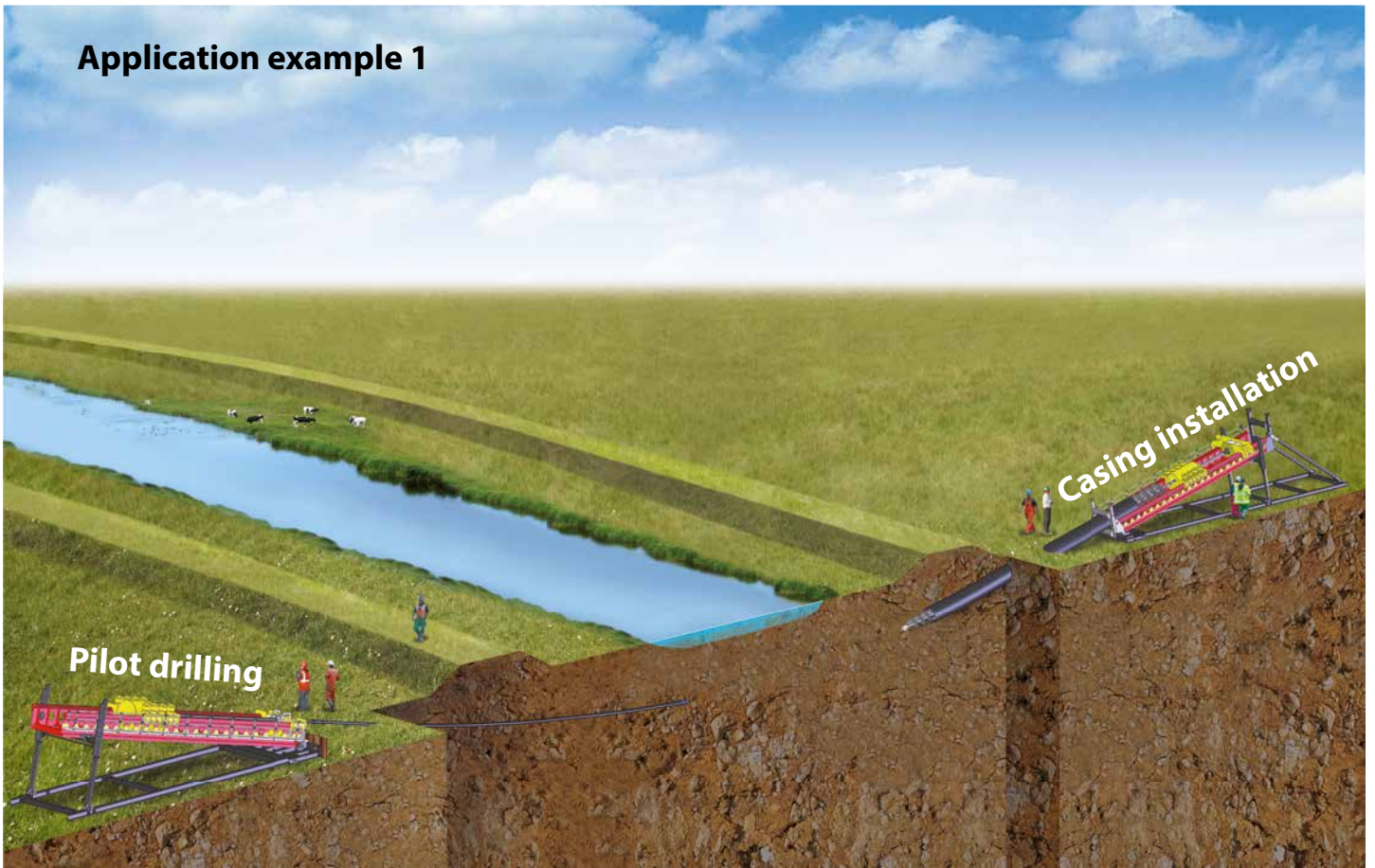




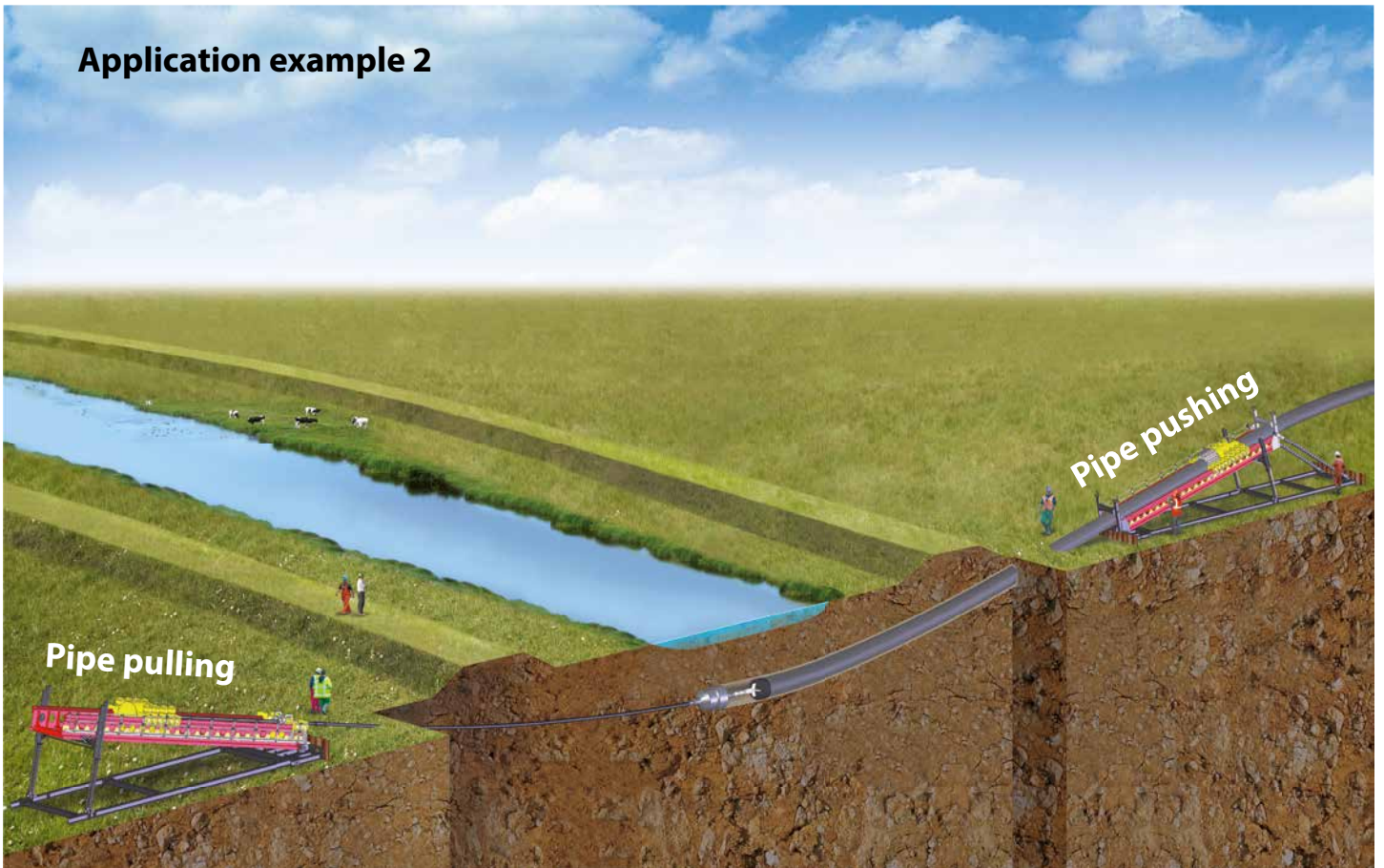


Application examples

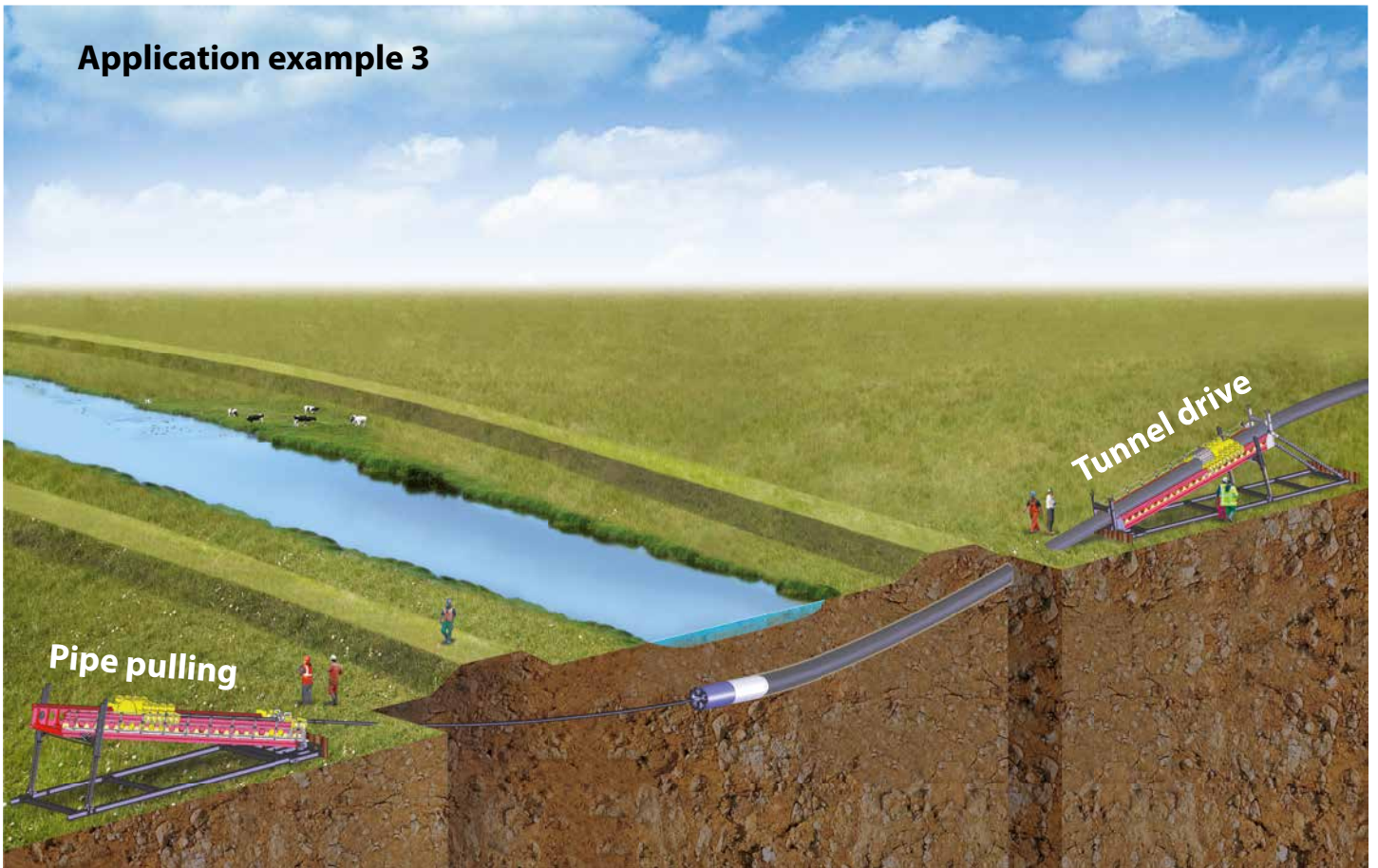
Application example 1



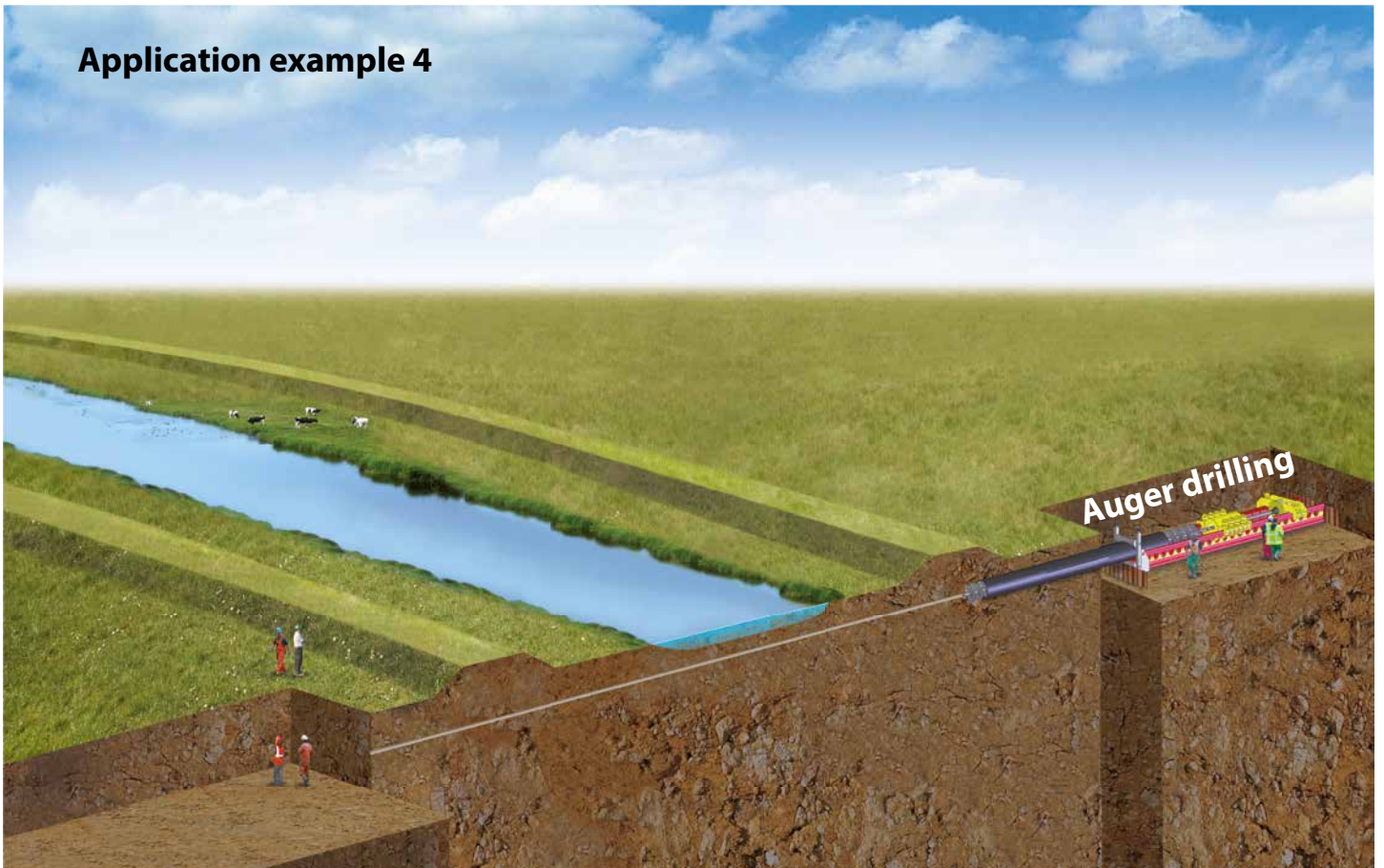
Application example 2



Application example 3



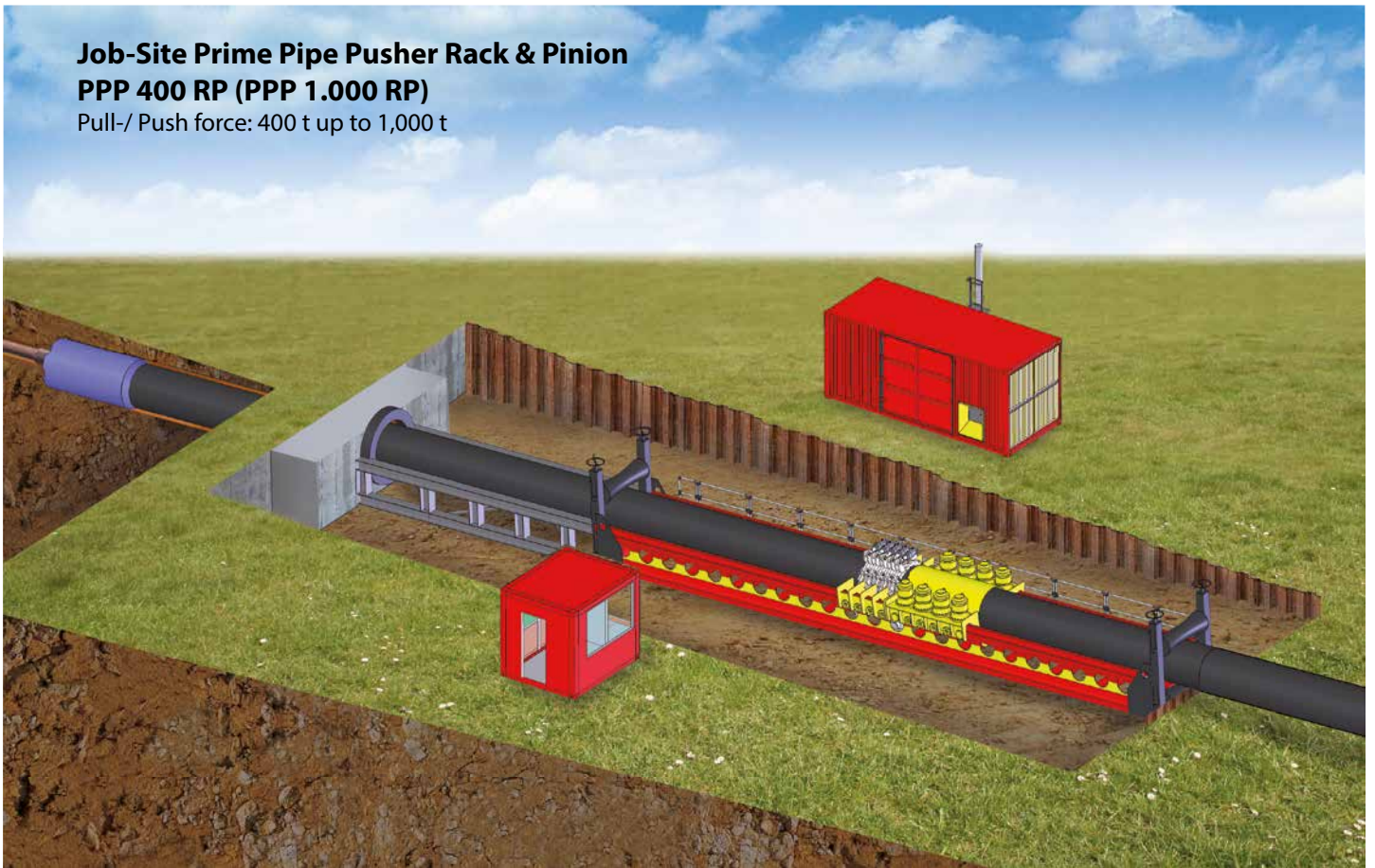
Application example 4



Job-Site Prime Pipe Pusher Rack & Pinion

PPP 400 RP (PPP 1.000 RP)

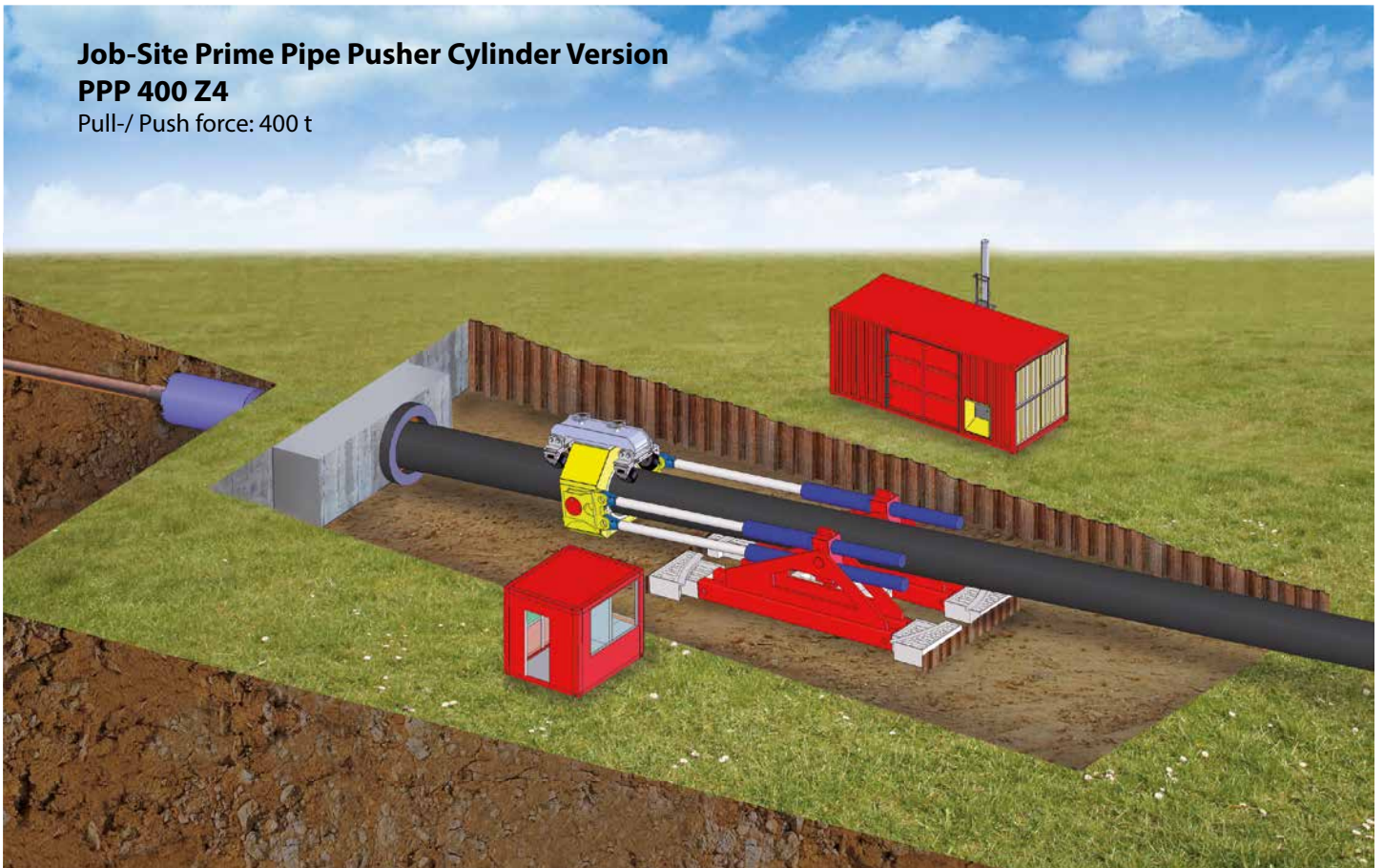
Pull-/ Push force: 400 t up to 1,000 t



Job-Site Prime Pipe Pusher Cylinder Version

PPP 400 Z4

Pull-/ Push force: 400 t







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PRIME DRILLING® has been manufacturing high- quality Horizontal Directional Drilling rigs and components on its 4,000 m² production area and 800 m² office area with nearly 70 employees since the year 2000.

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