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Didactic web page for pipe jacking, TBM, ...

VSM

MMC

Pipe Jacking

TBM

Auger Drills

Guidance S.

On Site

Guidance Systems

U.N.S.

E.L.S.

E.L.S. - H.W.L.

G.N.S. - P

S.L.S. - T


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Guidance Systems

It is important to clarify, that there are two different ways for construction tunnels, pipe jacking and segmental lining. So there are two different systems of guidance as well, with great differences between both:

Curve pipe jacking tunnel



In pipe jacking, the movement of all the pipes during the construction of the tunnel implies that there are not fixed points where we could have fixed coordinates. So we will need a guidance system that could measure that displacement of coordinates to determine the position of the tunnel boring machine during the drilling of the curves.

For the pipe jacking technology Herrenknecht has developed the [U.N.S. Universal Navigation System](#).

For the Segmental lining projects, the company VMT has developed the [SLS-T guidance system](#).

Cutting Wheel microtunnelling machine AVN1600
Breakthrough in project with vertical curve