



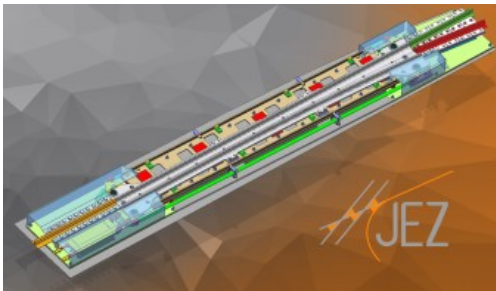
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**INNOVATIONS  
AND TRENDS**



## New turnouts for center guided vehicles



JEZ turnout for center guided vehicles

In the last decade, urban transport vehicles have been introduced in Europe with hybrid characteristics between a tram and a bus. The system consists of vehicles with pneumatic wheels guided through a central rail, and a metallic wheel system that clamps it. These central guidance systems need track devices, such as turnouts and diamond crossings. JEZ has developed turnouts and diamond crossings for this type of transport systems, integrating in them a switching engine, position detection and heating. The solution developed by JEZ consists of a rotary panel with main and branch rails, preferably made of Mn steel. Cam mechanisms at the entrance and exit of switches, with integrated locking system of the end positions and integration of the switching unit, locking and detection of the electrohydraulic engine UNISTAR HR inside the turnout or the diamond crossing.

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Subject to further change