

 **Holland**[®]

TRANSIT CASE STUDY

A TRANSIT WELDING SUCCESS STORY





CHALLENGE

A metro transit authority determined that by removing the joints in track they could improve transit efficiency and overall rider experience. The joints were limiting the track structure life and reducing the ride quality for their customers.

The third rail-powered transit environment created a unique requirement for the transit authority. The equipment used to eliminate the joints had to be capable of welding rail (to include closure / tension welds) with third rail in place.

SOLUTION

Holland-designed, hi-rail mobile equipment began a joint elimination program in March 2010. Currently Holland has eliminated 3,000+ joints with its hi-rail equipment.

A prime mover dedicated to flash-butt welding was built for the transit authority which included a Holland welding system identical to that of the hi-rail equipment.

Since the beginning of 2014, the prime mover has become the primary welding equipment used, supplemented by the hi-rail equipment as available. Near term plans include using the prime mover in joint elimination work and the hi-rail equipment in a newly formed destressing program.

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