

GE Transportation

With LOCOTROL systems, railroads can optimize the distribution of motive power and braking control over the entire length of the train.

LOCOTROL distributed power systems enable remote control of locomotives in separate consists throughout the train from the lead control locomotive either synchronously or independently. In synchronous mode, command signals sensed at the lead locomotive are transmitted over radio link to the remote locomotive(s). In independent mode, the operator can command remote throttle settings using an on-screen display while braking actions remain synchronous.

This provides faster and smoother starting and stopping distances (30%) and times (22%), leading to safer train handling and more efficient operations. Brake pipe charging times are reduced up to 60% for quicker train set-up and recovery.

LOCOTROL applications result in increased hauling capacity, better rail adhesion, and improved fuel efficiency, all contributing to increased system throughput (average of 12%) and reduced operating costs (average of 10%).

LOCOTROL systems have been designed to interface with almost every type of braking system, including pneumatic, vacuum, and electronic air brakes.



LOCOTROL[®] Distributed Power System

