

# SAFETY HAS IMPROVED AS CREW SIZE HAS BEEN REDUCED

ALL INCIDENTS 

1950-1985 

TRANSITION FROM 5 CREW MEMBERS TO 4



Steam to diesel engine  
Phase out of fireman

1990 

TRANSITION TO A 3-PERSON CREW



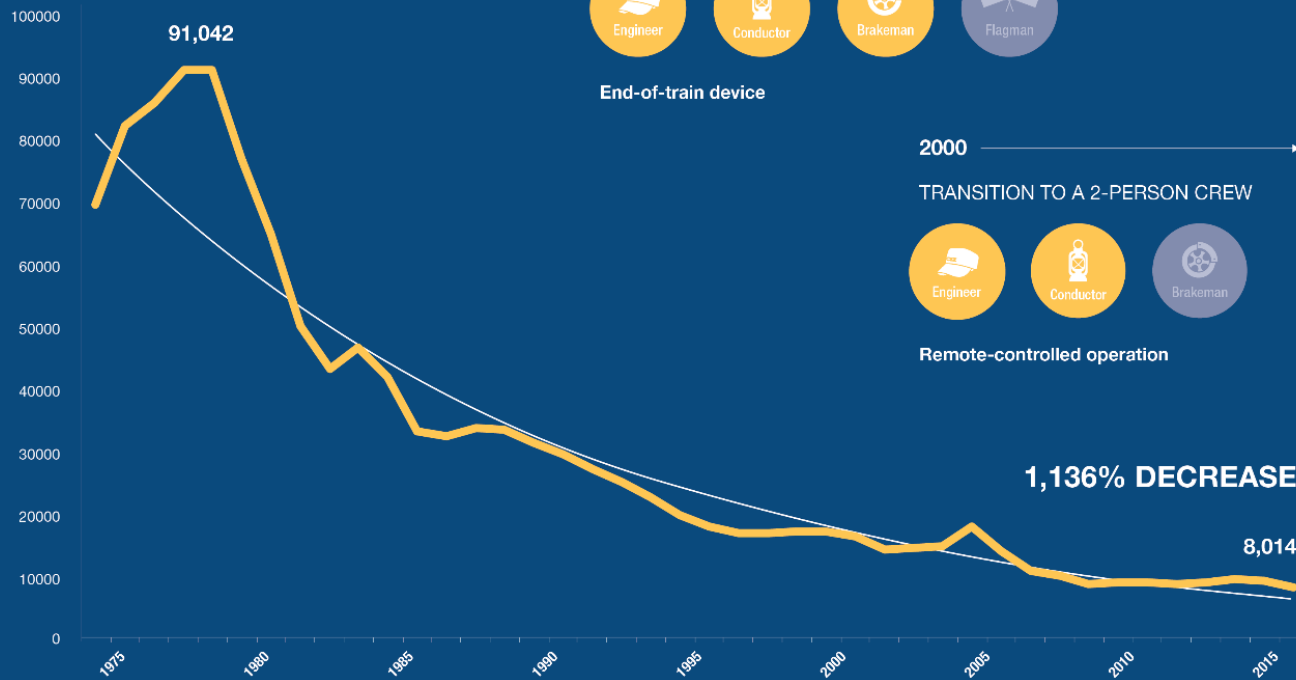
End-of-train device

2000 

TRANSITION TO A 2-PERSON CREW



Remote-controlled operation



**1,136% DECREASE**

Source: FRA Office of Safety Analysis One Year Accident/Incident Overview  
\*All incidents is the sum of train accidents, highway-rail incidents, and other incidents.