



May 31, 2018

## Engineering Productivity

**Eric Gehringer**  
Vice President - Engineering

### **Eric Gehringer** Vice President – Engineering



Eric Gehringer was assigned as vice president of engineering in March 2018. He is responsible for maintaining and hardening the company's infrastructure, leading the design, construction and maintenance of track, structures and signal systems, ensuring safe and efficient movement of trains.

He served as the assistant vice president of track programs since September 2016, where he was responsible for renewal of the company's track infrastructure. He has held various positions in the Operating Department's Engineering Department.

Eric started in 2006 as a management trainee with Union Pacific following his time at Northwest Airlines and Daimler Chrysler. Eric graduated with his B.S. in aerospace engineering from Saint Louis University and his MBA from the University of Nebraska.

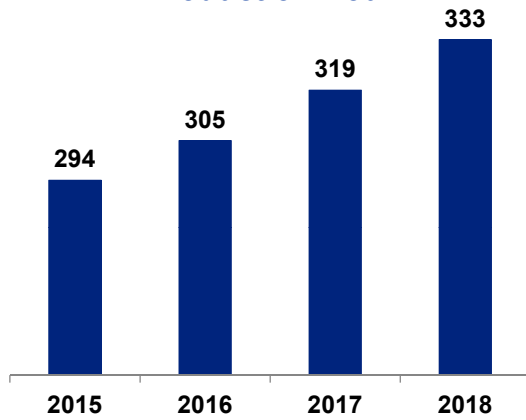


# Engineering Productivity

## Process Improvements



### Wood Ties Installed Per Production Hour



### Wood Tie Renewal Operations



# Engineering Productivity

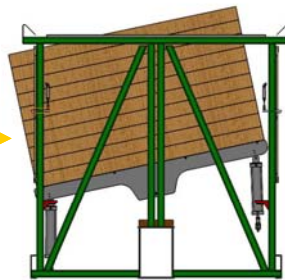
## Innovation and Technology



### Tie Unloading Railcar

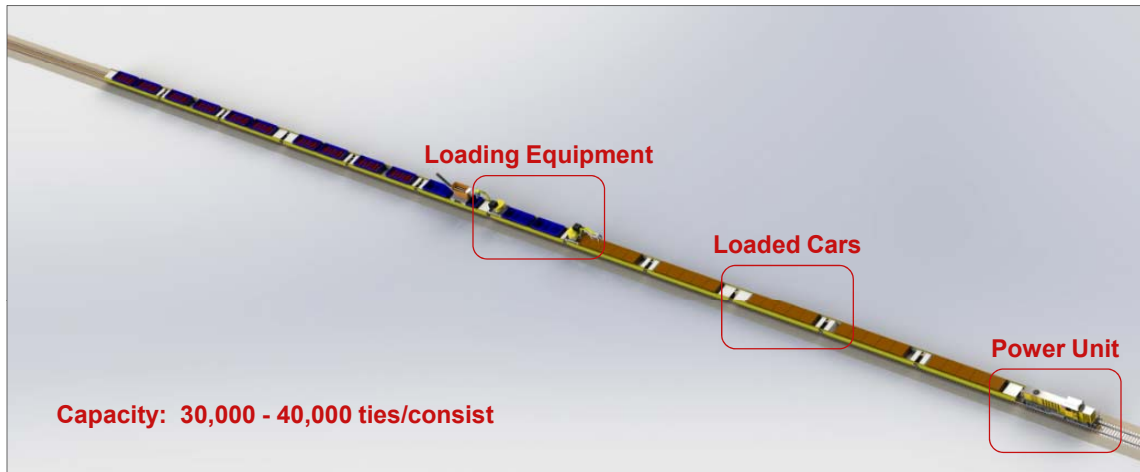


### Magazine Delivery System



## Engineering

### Leveraging Technology to Drive Productivity in Tie Disposal



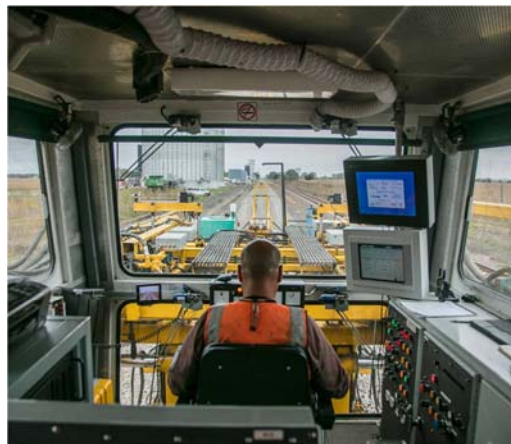
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## Engineering

### Regional Engineering Productivity System (REPS)



- **Foundational Resource Management Tool Designed To:**
  - Increase Time Spent on Value-Added Activities
  - Streamline Defect Entry & Communication
  - Improve Planning & Logistics
  - Promote Standard Work
- **Leverage REPS in Other Areas**



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