

TEAM IDEAS

- E-ticketing systems can be done with mobile applications as well as web applications.
- Train-to-train communication through the cloud enables operators to transmit data about equipment, tracks and stations among themselves.
- Speed monitoring and control is another important safety application. Systems have been developed that can display train velocity for drivers and report speeds back to central control systems
- Communications Based train control (CBTC) enables efficient rail traffic management asset monitoring
- This one might not seem suited to a seemingly revolutionary fourth generation technology, however, IoT can massively improve the cleanliness of bathrooms. 'Smart-cleaning' ensures that cleaners are only called when they are needed, so their time isn't wasted when they could be cleaning other stations or other parts of the same station
- Smart sensors can be used to track important assets, manage passenger flow, and enable predictive maintenance
- Smart coaches having special diagnostic systems and sensors connected to integrated computer systems for increase passenger comfort