

# **Best Practices in RFID in terminal operations**

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# Case Study New Orleans

(What we learned never to do again)

# Napoleon Avenue Container Terminal

- ❑ All tractors have RFID Tags
- ❑ All visits require appointments
- ❑ Tags can be switched between vehicles
- ❑ Tags interoperable with local toll facilities

# Napoleon Avenue Container Terminal

- ❑ Identify all traffic 4 km before gate
- ❑ Separate problem trucks
- ❑ Manage queues to gate, inspection, out
- ❑ Match OCR data to truck

# RFID in Gate Operations

- ❑ RFID is superior to all other methods of automatic equipment identification
- ❑ Technical accuracy 99.7%
- ❑ Including human errors 97.8%
  
- ❑ We suggest permanent tag assignment

# RFID for dummies

- ❑ Active
- ❑ Battery
- ❑ Perimeter antennas
- ❑ 433 MHz
- ❑ 100 m
- ❑ Periodic inventory
- ❑ Passive
- ❑ No battery
- ❑ Choke Points
- ❑ 915 MHz
- ❑ 3-10 m
- ❑ Perpetual inventory

# Be compatible with old standards

- ❑ AAR-918 (rail standard) (1989)
- ❑ ATA American Trucking Association

# Compatible with new standards

- ❑ ISO 10374 Permanent Container Tag
- ❑ ISO 18185 e-Seal Shipping-Line Tag
- ❑ ISO 17363 Supply Chain Tag

# Beware of Read Accuracy Claims

- ❑ Read rate v Usable Read rate
- ❑ Contract Read Rate v Operational
- ❑ DIY Monitoring?