

# ITRI

Industrial Technology  
Research Institute

# Seamless Safety Check-In for Travellers

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2012

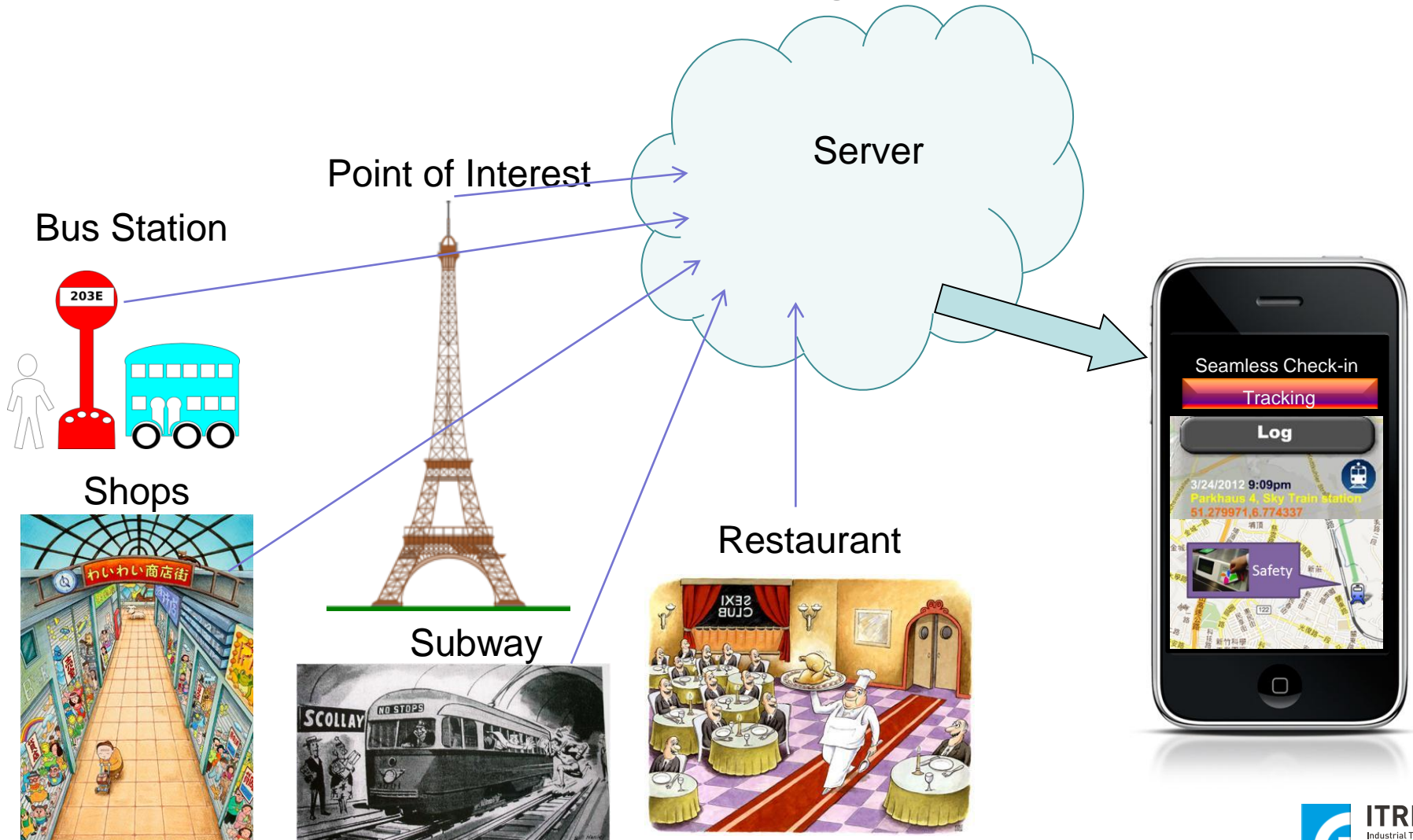
# Seamless Safety Check-In



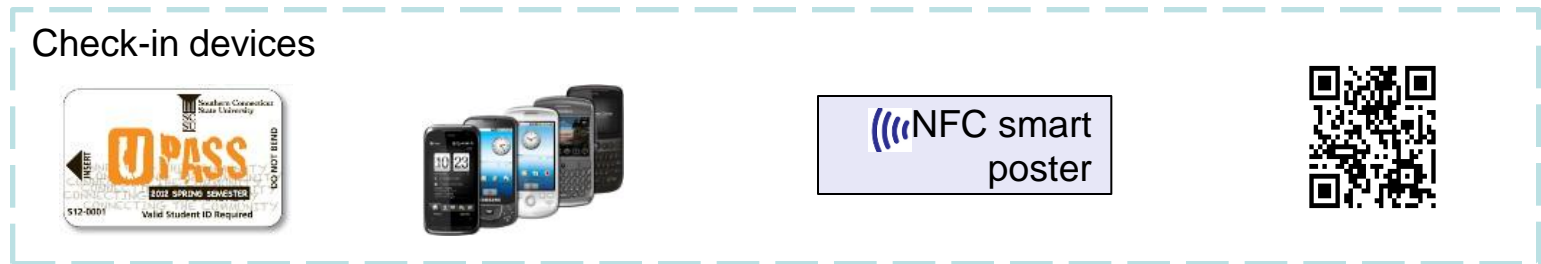
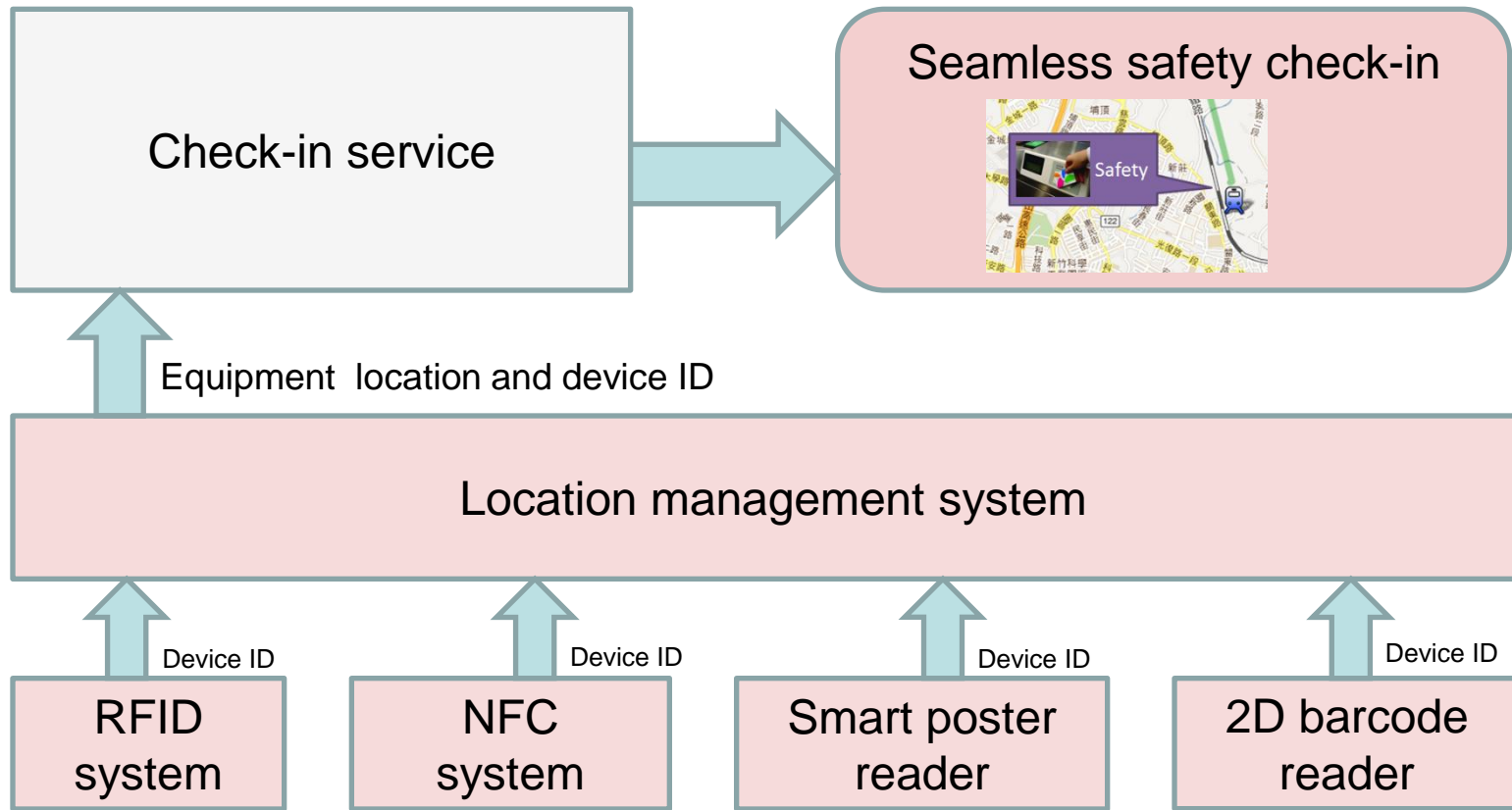
- Automatically logs traveller's trip information
- Works even in areas where positioning system/internet is not available
- Protects traveller's safety pervasively
  - Tracking traveller's log
  - Sending SOS messages and finding emergency help

# Safety Check-In, Backend, and Apps

Seamless check-in at following places and information will log to a cloud-based server  
People can track the info through Web or Apps



# System Architecture



# Economic potential \$

Transportations, shops and point of interest locations can join the SSC network to promote traveller's safety and also advertise themselves

6. Credit card for purchasing Hotel check-in

**Log**

- 3/24/2012 11:00pm  
Holiday Inn Express Hotel  
Düsseldorf-Nord ,  
51.252354, 6.795473  
(旅館)
- 3/24/2012 10:13pm  
Starbucks Coffee  
51.284266, 6.775131  
(星巴克咖啡)
- 3/24/2012 9:20pm  
7-11  
51.277171, 6.774337  
(便利商店)

無縫式旅行打卡

Smart Card 小額付款購物

Smart Card 小額付款購物

2000 英尺  
1 公里

# Conclusion

- **S**eamless safety check-in allows traveller to check-in even when positioning system/internet is not available
- **S**eamless safety check-in automatically generates traveller's logs for tracking and find them help when needed
- **C**ompanies can join the seamless safety check-in network to promote public safety and advertise themselves