



[www.thalesgroup.com](http://www.thalesgroup.com)

# 应对多模式换乘中心的挑战： 泰雷兹解决方案 Thales Solutions that help solve Hubs Challenges

THNS Seminar  
Shanghai, Nov 2012

THALES

集团全球有**68,000**雇员，**131**亿欧元年收入 A global company with **68,000 employees** and **€13.1 billion** in revenues

◆ 泰雷兹帮助客户 We help our customers to :

- 提供可靠安全的解决方案

Provide reliable and secure solutions

- 监视与控制 Monitor and control

- 保护与防御 Protect and defend

◆ 业务两大组成部分 In two major sectors

航空和交通  
Aerospace and Transport

40%



国防与安全  
Defence and Security

60%



泰雷兹：一个足迹遍布全球**50**多个国家的可靠长期合作伙伴  
Thales: a reliable, long-term partner with operations in 50 countries





THALES



地铁 Metros

出租车 Taxi

自行车 Bikes

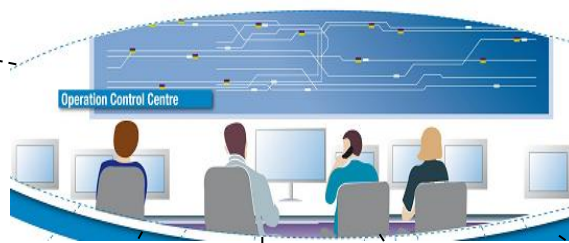
火车 Train

私家车 Cars

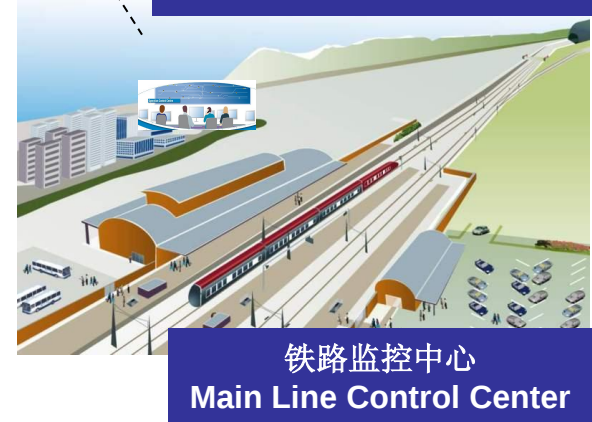
公交车 Buses

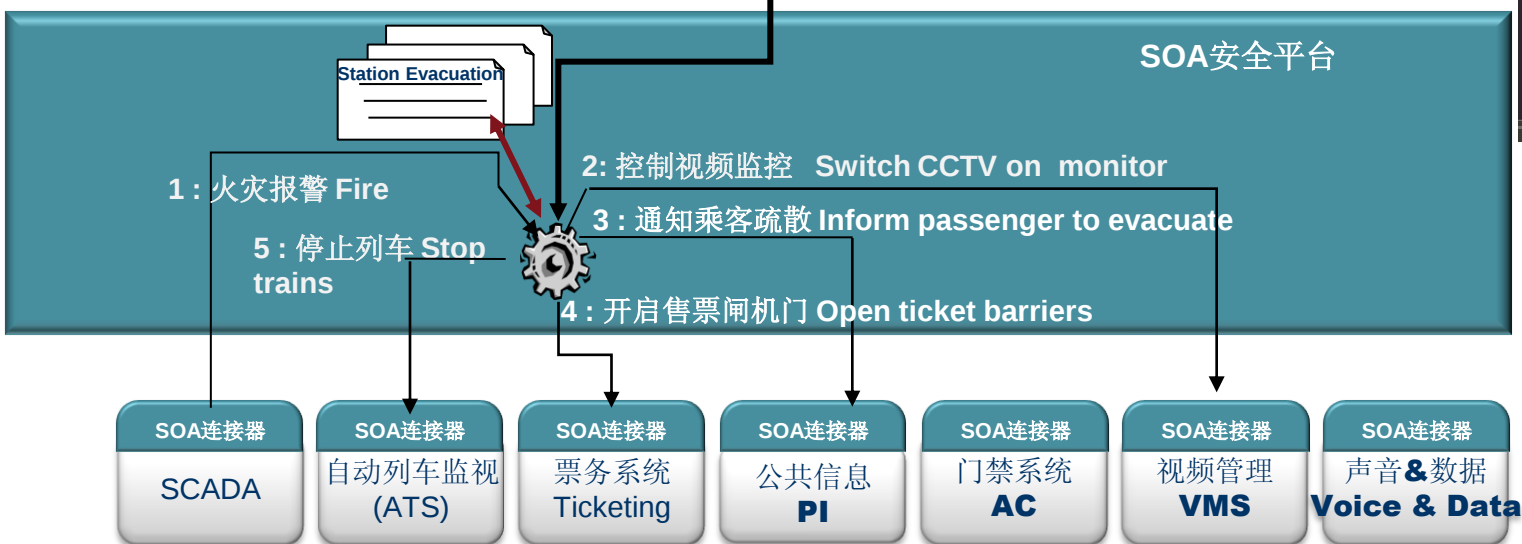
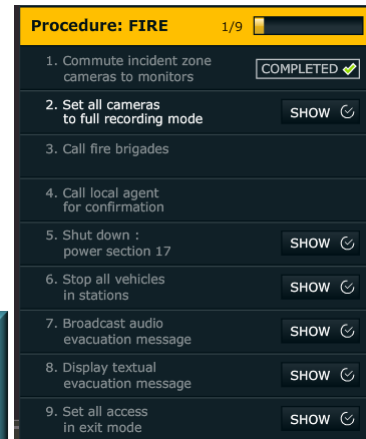
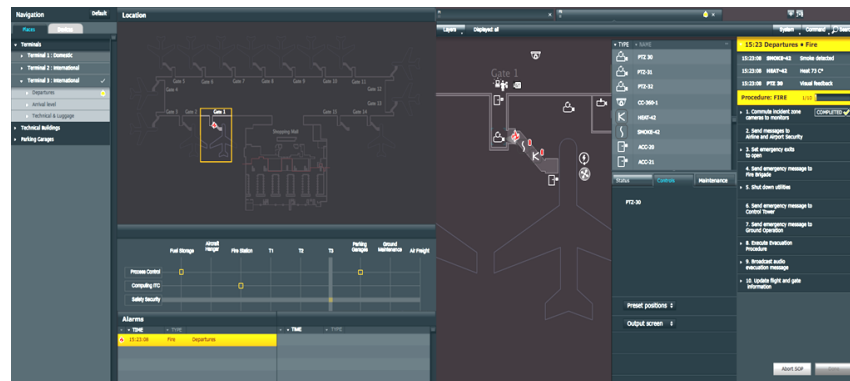
一些多模式换乘中心面临的主要挑战 Some of the hub main challenges :

1. 客流管理 Passenger flow management
2. 换乘中心指挥监控中心 (OCC) Hub Operation Control Center
3. 多模式票务 Intermodal ticketing
4. 智能停车场管理 Intelligent car parks management
5. 集成的乘客信息 Integrated Passenger information



中央监控中心  
Hub Control Center

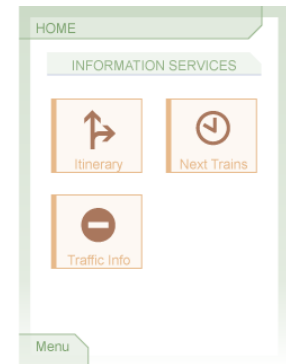
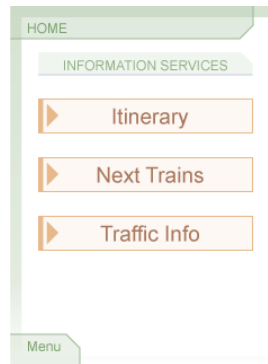




模块化&集成的解决方案以保证高水平的运营和高效的决策支持  
Modular & Integrated Solution that enables improved Operations and effective Decision Support



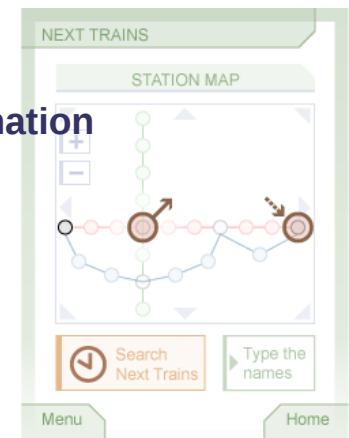




- ◆ 站台B的等待时间 Waiting Time at Platform B
- ◆ 到站时间预测 Estimated Time Of Arrival
- ◆ 最快去某个地点的路线 – 基于个人偏好和特殊属性（老年人，残疾人，...）

Fastest itinerary to go to Destination - based on one's own preferences and abilities (elder people, handicapped people, ...)

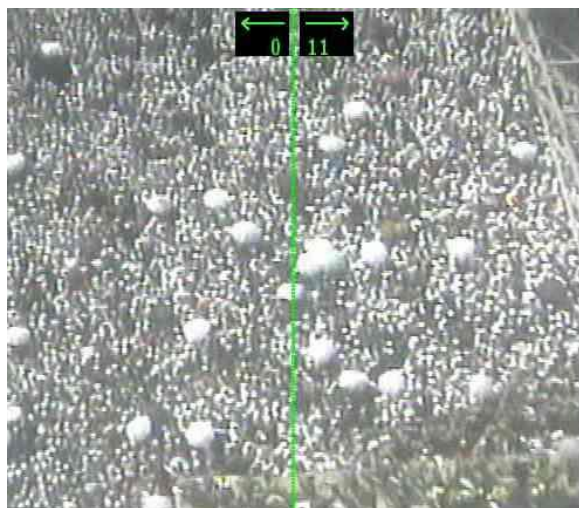
- ◆ 最经济的去某个地点的路线 Cheapest way to go to Destination
- ◆ 最环保的去某个地点的路线 Minimize Energy Consumption to go to Destination
- ◆ 特殊事件报警 Alerts in case of service disruption
- ◆ 中途与朋友会面 Meet my friends en route
- ◆ 当我到达目的地时叫醒我 Wake me up when I arrive
- ◆ ...







过度拥挤探测  
Overcrowding detection

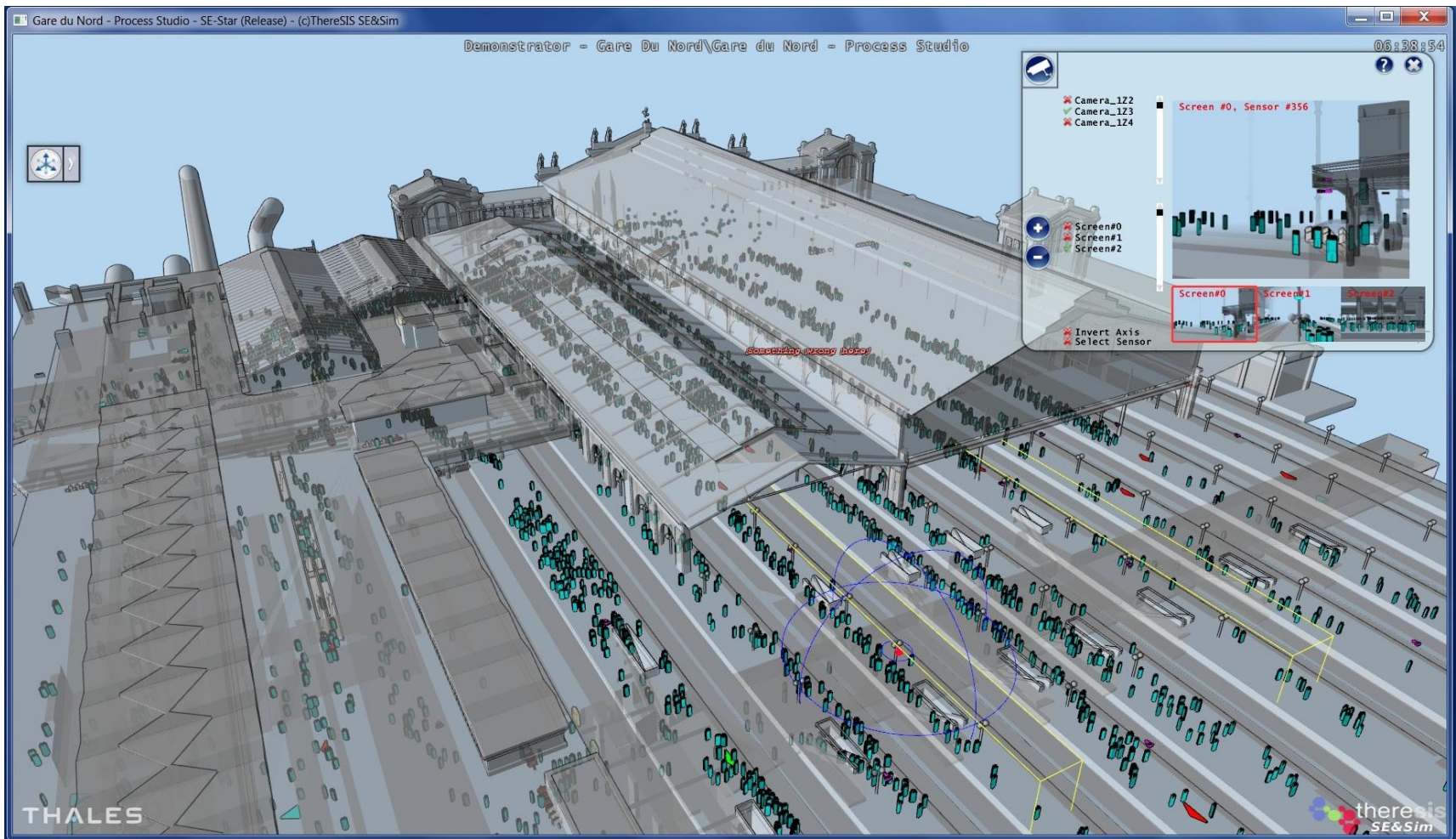


闸机与走廊的乘客计数  
People counting at Gates or on corridors

视频内容分析将帮助自动探测非常态事件

Video Content Analysis will help to detect abnormal situations

THALES



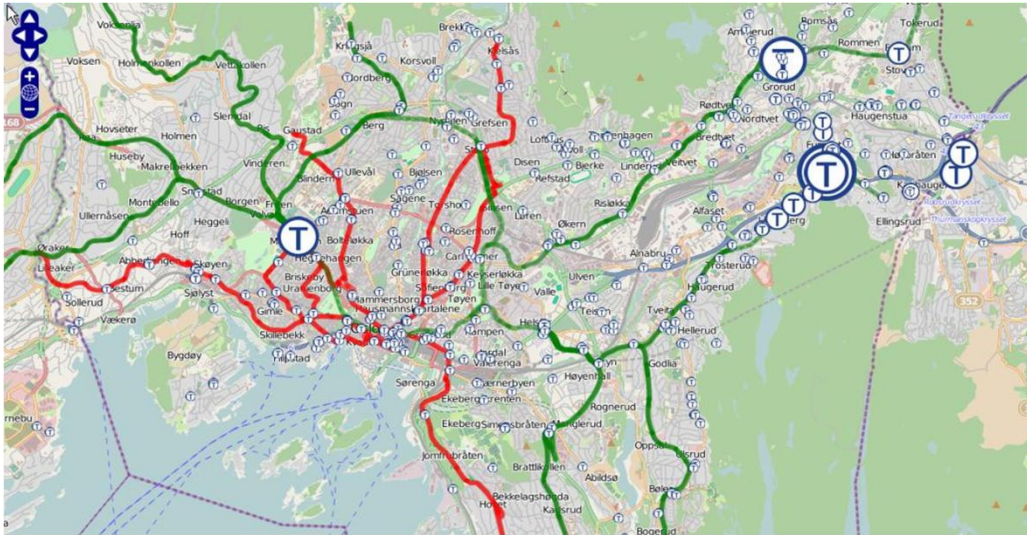
泰雷兹提供先进仿真工具来帮助基础设施设计并预测客流

THALES provides advanced simulation tools to help design infrastructure and anticipate passenger flows

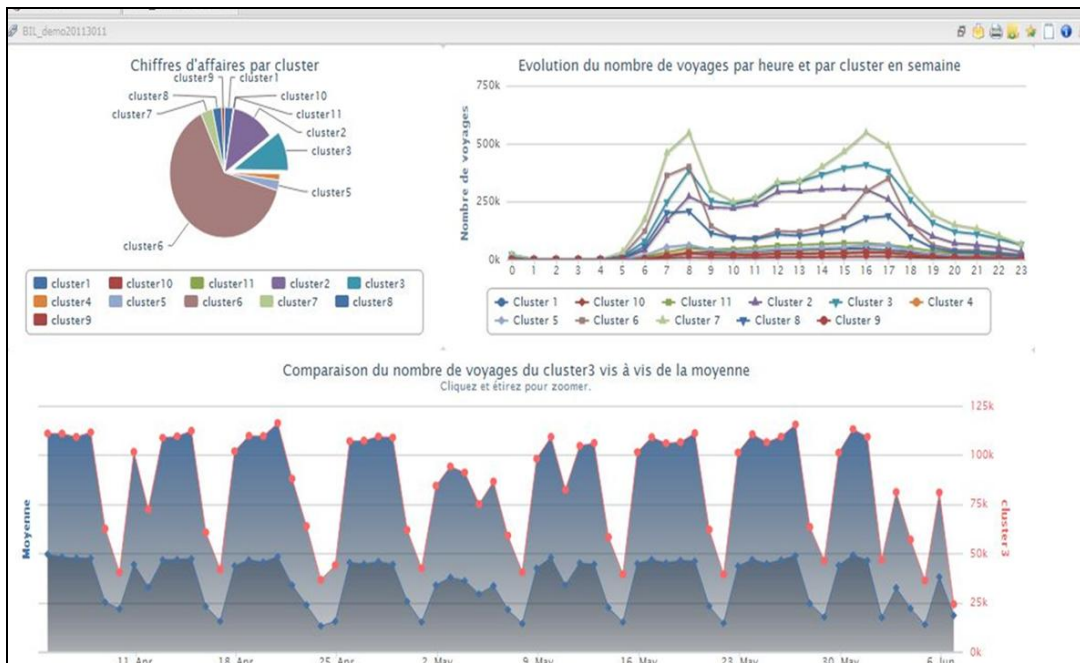
该仿真环境同时可以被用来仿真突发事件

This simulation environment can be used to simulate incidents

THALES

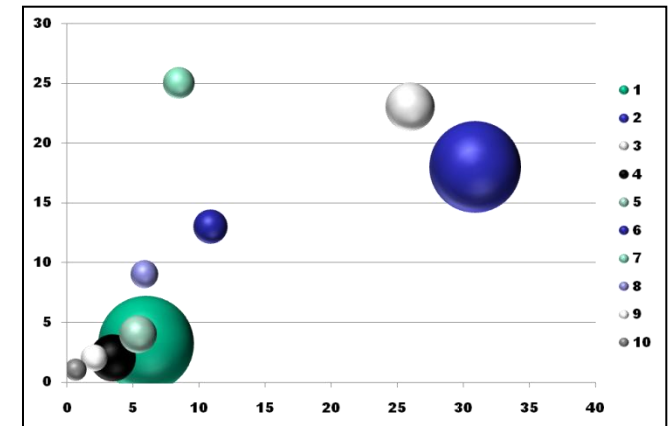


- 客流分析 Analyze passengers flows
- 乘客行为分类 Clusterize passengers behaviors
- 关键性能指标评估 KPI evaluation
- ...

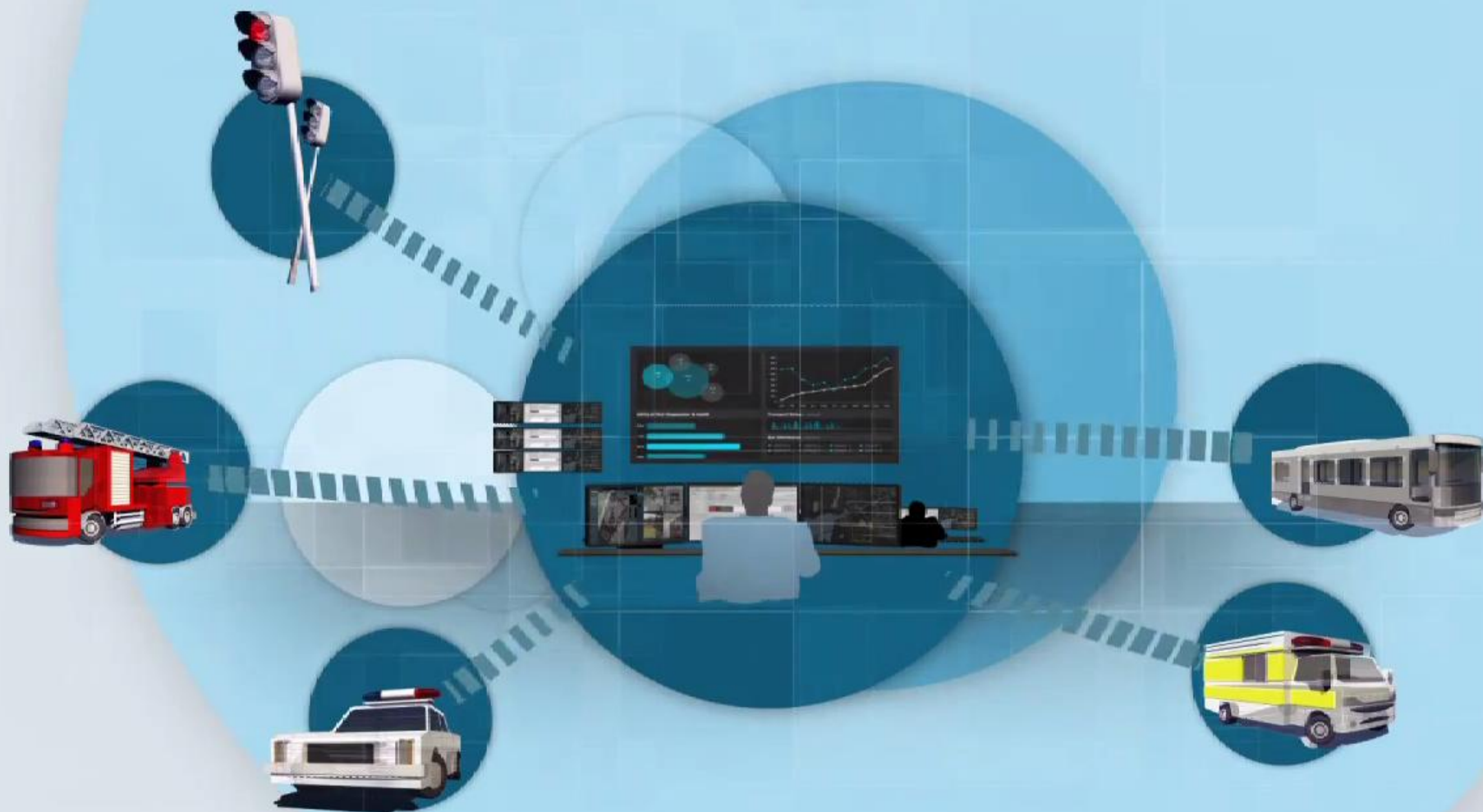


泰雷兹交通数据挖掘门户

Thales portal for Transport Data Mining



THALES



# 泰雷兹： 将基础设施能效发挥极致 THALES : Get the most out of your infrastructure

[www.thalesgroup.com](http://www.thalesgroup.com)

T

