Case Study: Orica Chemicals, Indonesia

Background:

- Orica is a Chemicals Manufacturer with a plant in Indonesia manufacturing Explosives

Requirements

- Manage Vehicle access to the plant
- Safety with respect to fires

Challenges to Overcome

- Access has to be limited to authorized vehicles (both trucks and employee vehicles
- Safety is critical – even small fires need to be detected.

Successful Approach

- LPR for confirming access to trucks and other vehicles entering the plant
- Smoke and Fire Detection around the plant



Case Study: Enel Chile

Background:

- Enel manages some very large Wind and Solar Farms in Chile

Requirements

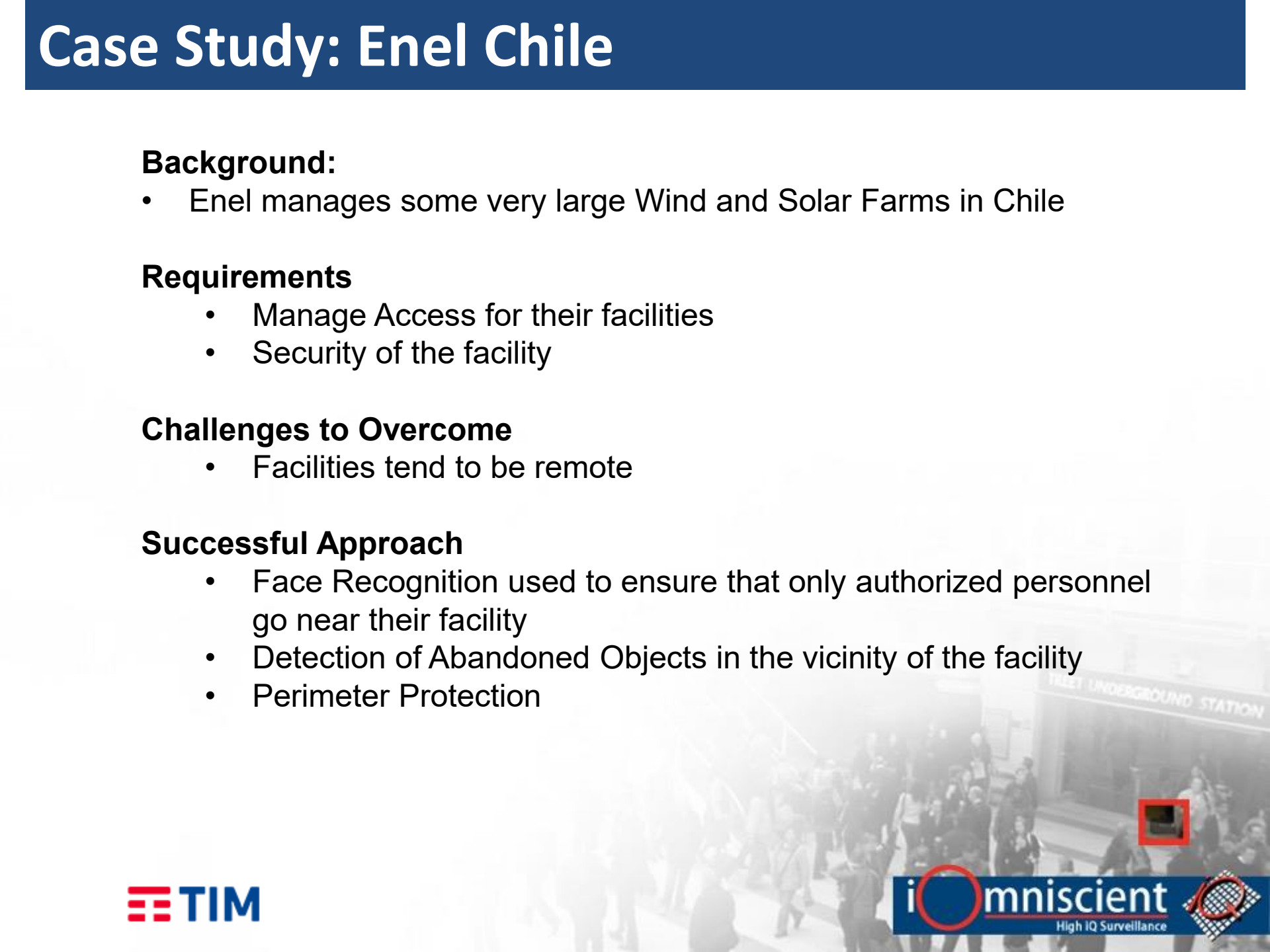
- Manage Access for their facilities
- Security of the facility

Challenges to Overcome

- Facilities tend to be remote

Successful Approach

- Face Recognition used to ensure that only authorized personnel go near their facility
- Detection of Abandoned Objects in the vicinity of the facility
- Perimeter Protection



Case Study: Keppel Shipyards, SIngapore

Background:

- Keppel are one of the world's largest ship builders. They have 8 shipyards in Singapore and more overseas

Requirements

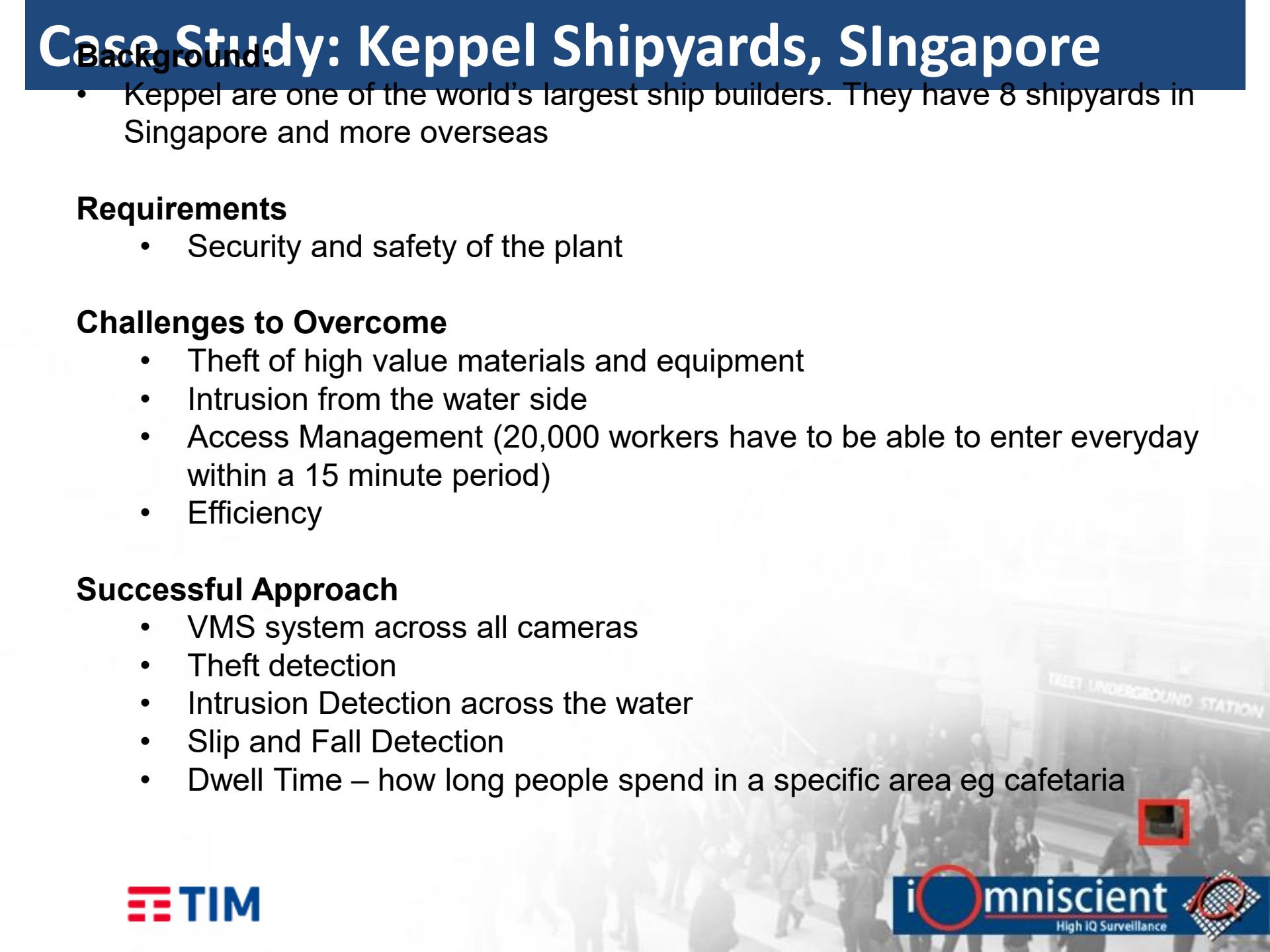
- Security and safety of the plant

Challenges to Overcome

- Theft of high value materials and equipment
- Intrusion from the water side
- Access Management (20,000 workers have to be able to enter everyday within a 15 minute period)
- Efficiency

Successful Approach

- VMS system across all cameras
- Theft detection
- Intrusion Detection across the water
- Slip and Fall Detection
- Dwell Time – how long people spend in a specific area eg cafetaria



Case Study: DEWA, Dubai

Background:

- Dubai Electricity and Water Authority is responsible for these utilities within their city

Requirements

- Ensure Safety and Security across the Plant

Challenges to Overcome

- Very large are to be managed including many roads
- Access Management at the gates

Successful Approach

- Manage roads within the facility, including Speed Detection, ensuring traffic moves in the right direction, no stopping in unauthorized areas
- Driver Match (Face+License Plate Matching) at the gate

