

# Case Study

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## Europe Outdoor Payment Terminals

### Leading outdoor payment terminal manufacturer for fuel dispenser – Europe

#### Project

- ✔ The project scope was to design and develop secure [Outdoor Payment Terminal \(OPT\)](#) that meets Payment card acceptance security and compliance requirement as per appropriate regulatory certification entities. The device should support Contact and [Contactless chip cards](#), [Magstripe and PIN Entry](#)

#### Background/Challenges

- ✔ Lack of Payment Domain knowledge, compliance and mandatory certification needs
- ✔ Device compliance requirement as per payment mandatory certifications like [EMV L1](#), [EMV L2](#), [PCI PTS](#)
- ✔ Payment domain certification understanding, procedures

#### Nature of Work

- ✔ Consultant on Payment compliance requirement to design Payment device
- ✔ [EMV Level 2 Kernel software development](#), deployment and certification
- ✔ Coordinating with Certification laboratory

#### Approach/Solution

- ✔ Conducted several workshop explaining the security requirements as per PCI PTS guidelines
- ✔ Design and Consultancy for Secure Payment card acceptance device as a co-participant
- ✔ in architecture design of Main board and give consultancy for product engineering :
  - i. Main Board Architecture
  - ii. Card reader interfaces
  - iii. PCI PTS 4.x Regulatory compliance security requirements
- ✔ EMV Level 2 Contact and Contactless (MasterCard, and VISA) Kernel
- ✔ Software and Firmware application development

#### Outcome & Benefits

- ✔ Consultant payment domain Cost Advantages
- ✔ Single source to PCI PTS consultancy and EMV L2 Contact and Contactless Kernel