

A grayscale image of a city skyline at night, with numerous skyscrapers illuminated and their lights reflected in a body of water in the foreground. The image is semi-transparent, allowing the text to be clearly visible.

CrossESeal Presentation

By **CROSSE**COM



Fuelling Excellence in RFID Solutions and Retail Automation



A blurred, grayscale image of a city skyline at night, likely Chicago, with several prominent skyscrapers illuminated. The image is used as a background for the title text.

CrossESeal

Sealed Parcel Delivery System



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Introduction



- ✓ CrossESEAL Technology
- ✓ How It Works
- ✓ Benefits – Fuel Transportation
- ✓ Mobile Data Network Connection
- ✓ Cloud Based System






Product Features – CrossESEAL System

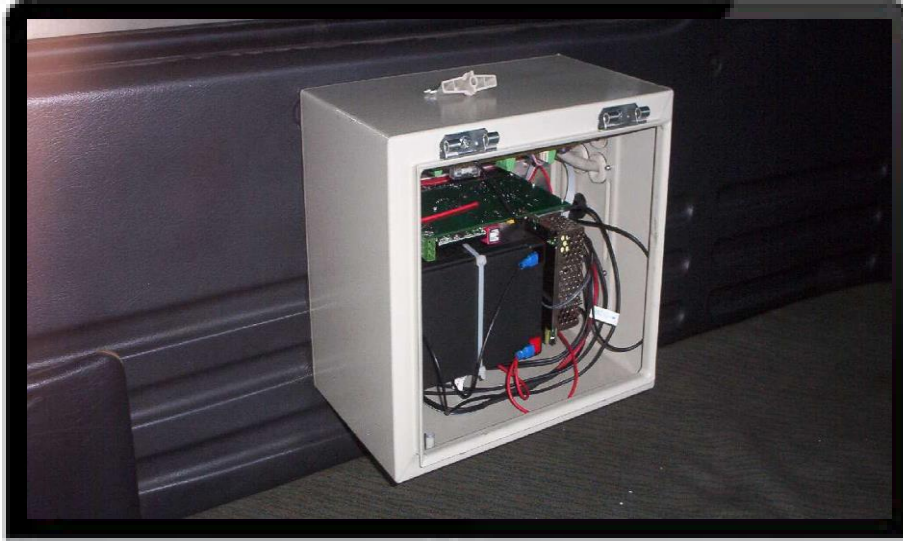
-  Fully Automatic fuel load monitoring and tracking system for tanker trucks - developed for working on fuel tankers
-  Requires NO action by the driver or terminal staff to operate the system
-  Operates on Real-Time basis – ALL events are captured and reported as they happen
-  Automatic ALERTS - sent to the supervisor if a manhole cover or the guard bar has been opened anywhere between the terminal and the delivery site



Product Features – CrossESeal System






-  Easy, simple, quick and inexpensive to fit—little downtime
-  All the details of any opening - such as vehicle id, date, time, where, which manhole/guard-bar was opened and for how long are RECORDED and REPORTED by the system as it happens
-  NO opportunity for the driver or delivery staff to prevent or delay the alert

How It Works

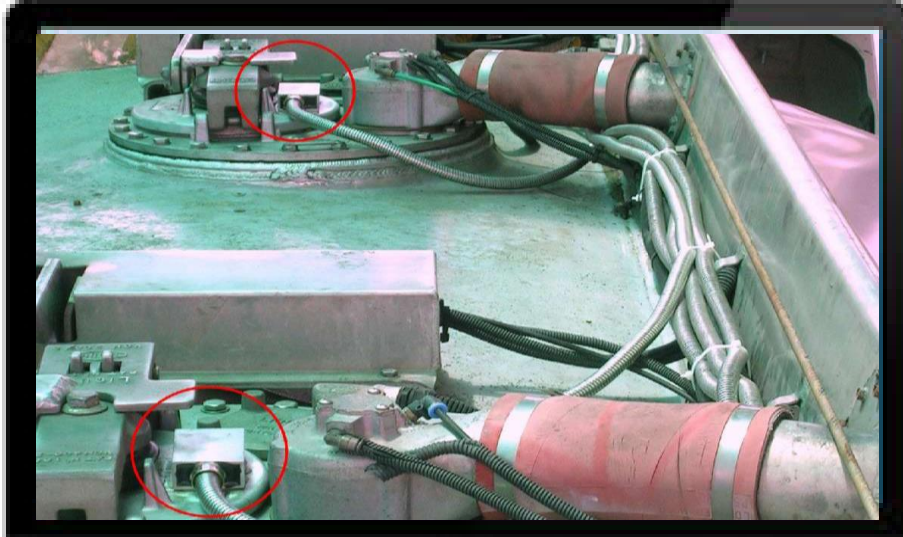


- ✓ On Board Unit
- ✓ Sensor Monitor
- ✓ Global Positioning System
- ✓ Mobile Data Communication
- ✓ Power Backup

System Features – On Board Unit

-  The OBU is mounted on the Vehicle: (best location no hindrance to delivery staff and /or process)
-  Continuously polling the sensors for their status: Average 150 times a second
-  Auxiliary long life (7 days or more) backup battery: Can be longer if required
-  Military Encryption (Triple Des) for highest security
-  Records and Reports each and every event automatically. Alerts during extraordinary conditions

How It Works








- ✓ Manhole Cover Sensor
- ✓ Epoxied
- ✓ Weather Proof
- ✓ Solid State

How It Works



- ✓ Reference Sensor
- ✓ Guard Bar Sensor
- ✓ Epoxied
- ✓ Weather Proof
- ✓ Solid State

System Features – Sensor Unit

-  Sensors are attached to the plate of each MANHOLE COVER and on the GUARD BAR of API outlets
-  Sensors are permanently fixed using aircraft strength epoxy - (No welding/hot works required) – No need to degas the tank
-  Fully sealed metal enclosure (IP 67 compliant) – Can withstand harsh treatment and local environmental conditions – Completely weather proof
-  All Solid State Technology - NO moving parts - for minimal maintenance
-  Fully Automatic Operations - NO need for the driver or delivery staff to be involved for the system to work

How It Works

Trip Report

Date: 06/09/2008 08:09:00
Vehicle: ATC-55-31 - 75-6401
Show All Transactions: Yes
Trip Time: Greater than 40 minutes
Start By: Date (Ascending)
Report Title: Fuel Trip Report
Completed: 18/03/2011 16:23:37 By: Dale
Dates expressed in UTC +0800 hours.
Classroom CrossREAL System

| Date | Time | Vehicle | Start Site | Delivery Site | End Site | Total Trip Time | Distance | Suspense |
|---------------------|------|---------------------|---------------|-------------------|------------------------------------|-----------------|----------|----------|
| 06/09/2008 02:03:12 | | ATC-55-31 - 75-6401 | ESSO Terminal | TCC (SUKRUMVIT 1) | AUTO CONTAINER CO. LTD. (4 signor) | 2 hrs, 54 mins | | 81.71 |
| 06/09/2008 09:46:22 | | ATC-55-31 - 75-6401 | ESSO Terminal | | AUTO CONTAINER CO. LTD. (4 signor) | 4 hrs, 50 mins | 120.73 | |
| 06/09/2008 02:03:12 | | ATC-55-31 - 75-6401 | ESSO Terminal | TCC (SUTTIAN) | ESSO Terminal | 4 hrs, 50 mins | 74.49 | |

✓ Despatch Report

✓ Trip Report

✓ Decanting

✓ Exception






✓ Monitoring



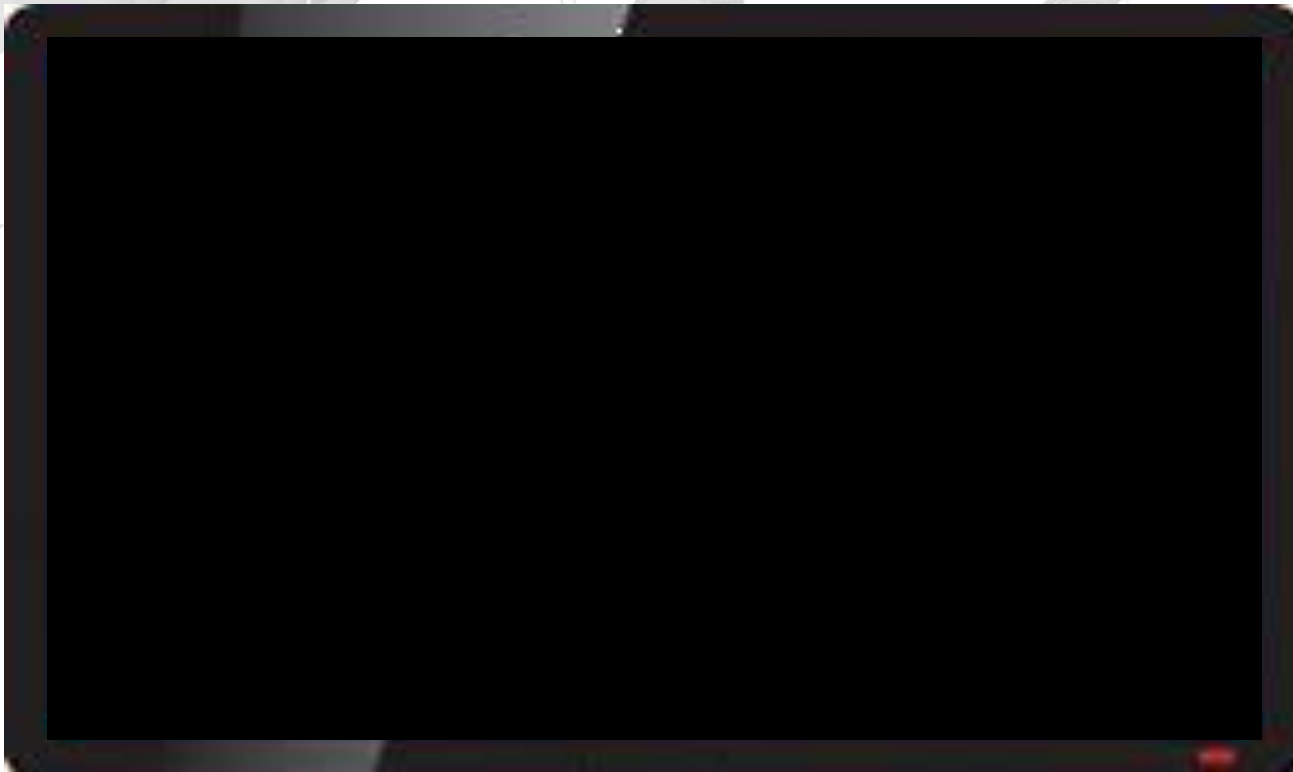
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System Features – Central Command Report

-  All Fuels dispatched from terminals (including dates, times and trucks as required)
-  Each Trip times by dates, times, duration, truck id and delivery sites
-  Duration of decanting times at site by date, truck id
-  Automatic Exceptions Report (events that have occurred that may require immediate attention or later audit by management)
-  REAL TIME Monitoring – using available local communication networks

Demonstration - Video



- ✓ Actual Trip
- ✓ Fuel Delivery
- ✓ Monitoring
- ✓ Alerts
- ✓ Tracking
- ✓ Reporting

Demonstration – Street View



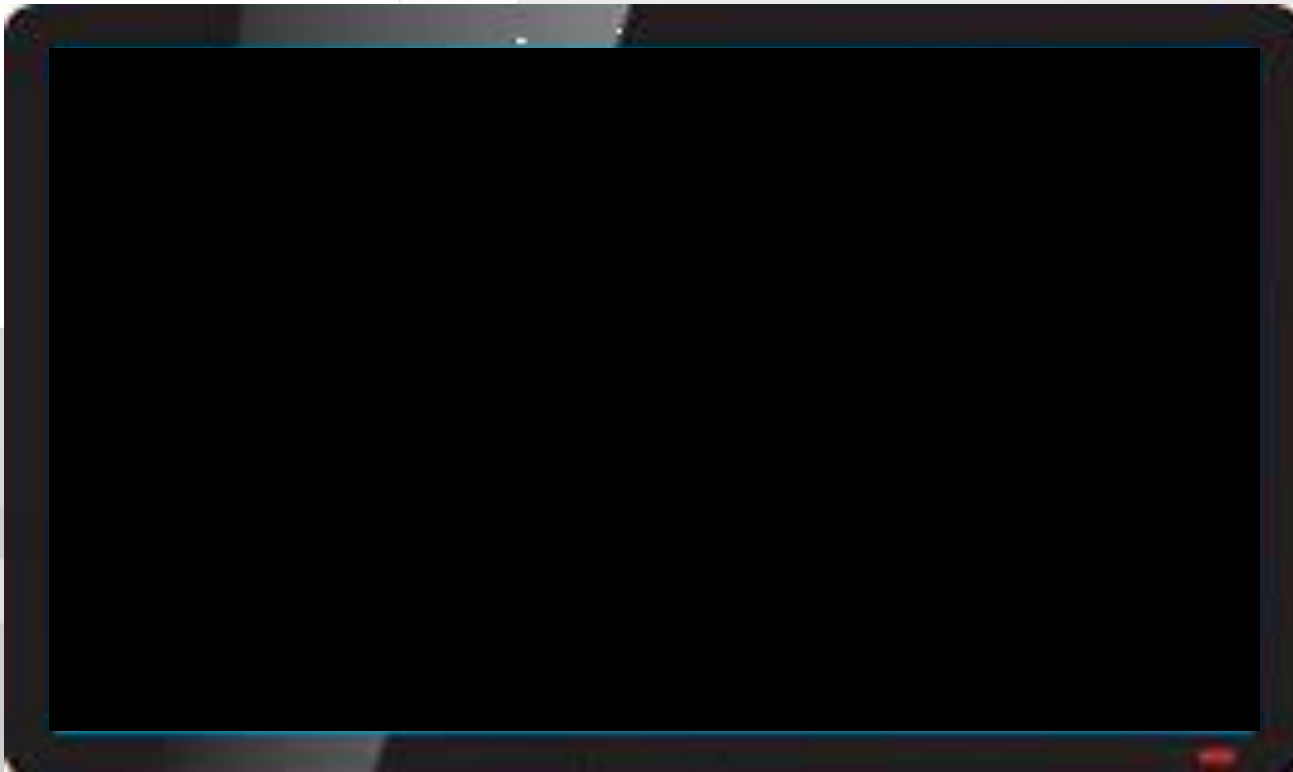
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Demonstration – Authorised / Unauthorised







CrossESeal Tanker View







- Manhole Sensor
- Guard Bar Sensor
- Reference Sensor
- On Board Unit
- Antenna



Benefit of CrossESEAL

-  Assurance of Oil Company Product Security – Quantity and Quality delivered
-  Real-Time tracking of the Product - From terminal all the way to the delivery site and the return trip
-  Demonstrate to customer you use world class Australian patented technology to deliver their product
-  Real-Time monitoring of driver / vehicle operations to enable timely, safe and efficient delivery of the product and reduce operational costs

Benefit of CrossESeal

-  ALL in One System - Fuel load Security + Vehicle Tracking + Driver / Vehicle Monitoring
-  Fully Automatic System – NO action required from ANY staff and NO opportunity to prevent, alter or delay data
-  NO need for any staff training
-  Minimum time for installation – NO DEGASING of tanks required

Crossecom (Australia) Pty Ltd

Over 25 years of Retail Fuel Industry Experience

Clients to have used Crossecom systems since 1984 include:

Bechtel (Malaysia)
Singapore Petroleum Corporation
Shell (Singapore)
BP (Singapore and Malaysia)
BH Petrol (Malaysia)
Hindustan Petroleum Corporation (India)
ESSO (Australia, Singapore and Malaysia)

Emirates Petroleum (Dubai)
Kuwait National Petroleum Corporation
JomoGAS (Jordan)
Conoco (Malaysia)
Duty Free Stores (Okinawa)
Public Bank Berhad (Malaysia)
American Express (Malaysia)

Our products and services include:

Retail Automation - ISSAS
Point of Sale Hardware and Software - TouchPOS, FuelPOS
Protection of goods in storage and transit - CrossESEAL
Radio Frequency Identification (RFID) - FastFILL Automated Fuelling System
Latest;
CheckFILL- Patented Technology for NGV/CNG Industry
visit us on: www.crossecom.com.au



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CrossESeal Presentation

Thank You



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