

# References SC2 Trading

## Product line



## References SC2 Trading

### Reference Chevron Petrol Indonesia

#### Situation and problem definition

Chevron is facing various problems at one of their oil- and gas refinery locations in Indonesia. Due to high temperatures, high humidity and lack of consistent maintenance, most of the pipelines and storage tanks are affected by corrosion problems.

The location needs to be in operation for at least 10 more years and rebuilding the site is far too expensive. The site is also located at a remote area where structural maintenance is expensive and not a real option. Besides this, all surfaces are being affected by sunlight, heat, chemical substances, humidity and dirt.

#### Advise

Clean all surfaces, coat with Rustgrip and use Enamogrip as top layer. Rustgrip will attach on the surface and stop further corrosion problems. Enamogrip gives a smooth and durable finish, which prevents moisture, sunlight and dirt to affect the surface.

This coating system guarantees a maintenance-free, durable solution which can withstand all surface threatening influences.

#### Conclusion

After application, all treated surfaces are smooth, free of rust and dirt and appear as if they are new. The corrosion process has been stopped and surfaces are not being affected by sunlight, dirt and humidity anymore. Production process is back in full operation now.



*Before application*



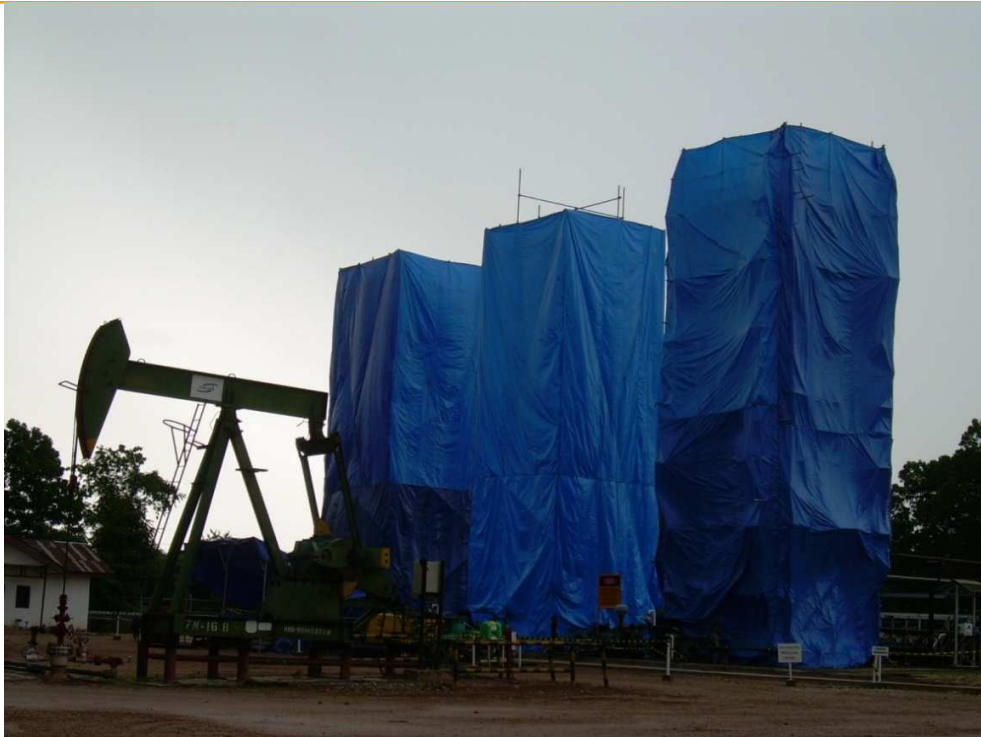
*RustGrip (1<sup>st</sup> layer)*



*EnamoGrip (2<sup>nd</sup> layer)*



*After applying RustGrip and EnamoGrip*

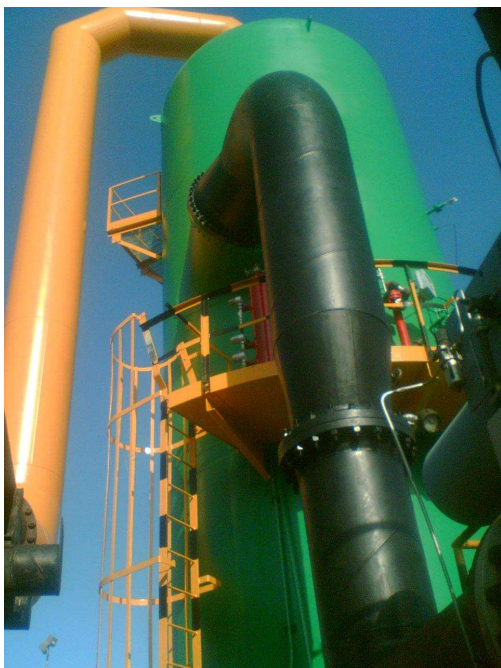


*Oil storage tanks treated with RustGrip and Black EnamoGrip.*



*Close-up of oil-storage tank after application*





## Reference Mobile Phone Container

### Situation and problem definition

For transmitting the reception signal for mobile phones in Turkey an air-conditioned container with electronic equipment is used. The problem is that the containers can overheat with extreme outside temperatures (30C +) with the result that the equipment will malfunction or even break down. One of the parameters is that the container had to have a constant inside-temperature of 24C that could often not be reached with the air conditioner that was used.

The problem is that there are significant electricity costs for cooling the container to the right, constant temperature of 23C.  
The containers are 2 by 2 by 3 meters, which are 24 sq meters for the entire container, bottom excluded.

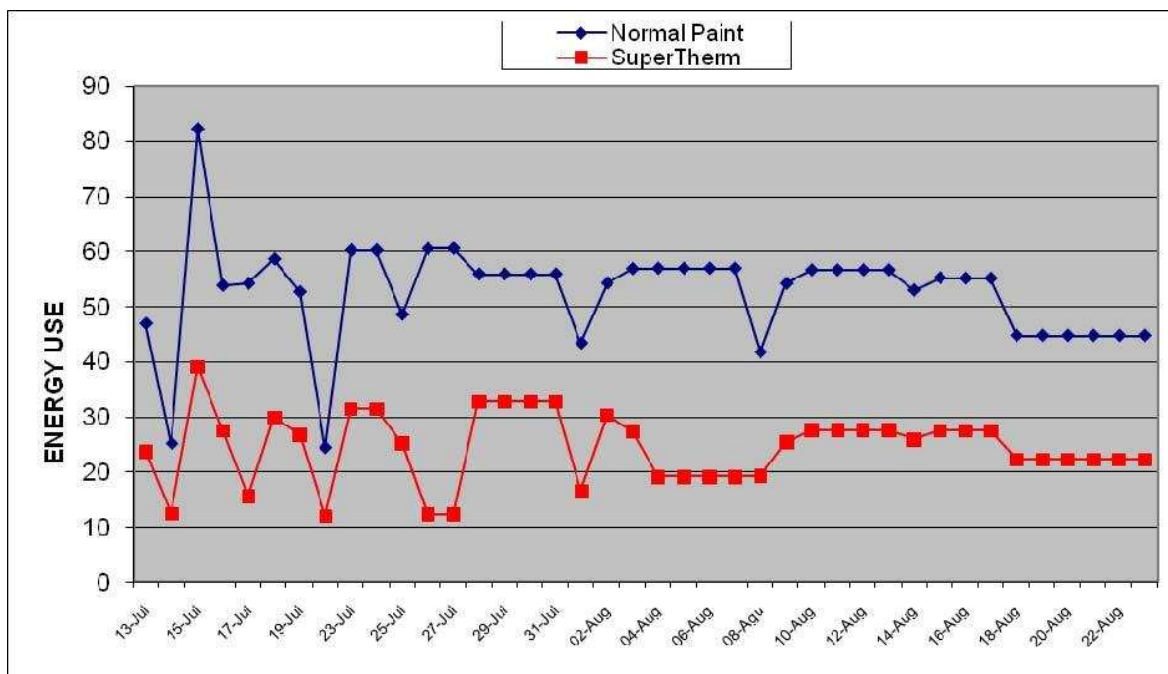
### Testing advise and instructions

Treat the container with SuperTherm on the outside to reflect the direct sunlight, so that the air-conditioner can reach the inside temperature of 23C more easily and that eventually energy savings will occur.

### Conclusions

- Inside temperature of 23C was reached.
- An average energy saving of over 50% was measured.

**Test results Turkey for July and August:**



Graph 1: Energy use of containers: one with SuperTherm, one with normal white paint

| Date       | 13-Jul | 14-Jul | 15-Jul | 16-Jul | 17-Jul | 18-Jul | 19-Jul | 20-Jul | 23-Jul | 24-Jul |
|------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Normal     | 46.899 | 25.114 | 82.211 | 53.808 | 54.18  | 58.612 | 52.65  | 24.378 | 60.18  | 60.18  |
| SuperTherm | 23.708 | 12.467 | 39.063 | 27.539 | 15.597 | 29.927 | 26.767 | 12.043 | 31.434 | 31.43  |
| Difference | 23.191 | 12.647 | 43.148 | 26.269 | 38.583 | 28.685 | 25.883 | 12.335 | 28.746 | 28.75  |
| Date       | 25-Jul | 26-Jul | 27-Jul | 28-Jul | 29-Jul | 30-Jul | 31-Jul | 01-Aug | 02-Aug | 03-Aug |
| Normal     | 48.56  | 60.5   | 60.54  | 55.88  | 55.88  | 55.88  | 55.88  | 43.36  | 54.22  | 56.87  |
| SuperTherm | 25.21  | 12.36  | 12.36  | 32.82  | 32.82  | 32.82  | 32.82  | 16.65  | 30.42  | 27.28  |
| Difference | 23.35  | 48.14  | 48.18  | 23.06  | 23.06  | 23.06  | 23.06  | 26.71  | 23.8   | 29.59  |
| Date       | 04-Aug | 05-Aug | 06-Aug | 07-Aug | 08-Aug | 09-Aug | 10-Aug | 11-Aug | 12-Aug | 13-Aug |
| Normal     | 56.93  | 56.93  | 56.93  | 56.93  | 41.7   | 54.17  | 56.64  | 56.64  | 56.64  | 56.64  |
| SuperTherm | 19.14  | 19.14  | 19.14  | 19.14  | 19.31  | 25.43  | 27.6   | 27.6   | 27.6   | 27.6   |
| Difference | 37.79  | 37.79  | 37.79  | 37.79  | 22.39  | 28.74  | 29.04  | 29.04  | 29.04  | 29.04  |
| Date       | 14-Aug | 15-Aug | 16-Aug | 17-Aug | 18-Aug | 19-Aug | 20-Aug | 21-Aug | 22-Aug | 23-Aug |
| Normal     | 52.95  | 55.21  | 55.12  | 55.12  | 44.74  | 44.74  | 44.74  | 44.74  | 44.74  | 44.74  |
| SuperTherm | 25.92  | 27.51  | 27.51  | 27.51  | 22.3   | 22.3   | 22.3   | 22.3   | 22.3   | 22.3   |
| Difference | 27.03  | 27.7   | 27.61  | 27.61  | 22.44  | 22.44  | 22.44  | 22.44  | 22.44  | 22.44  |

Table 1: Energy use of containers: one with SuperTherm, one with normal white paint



## SuperTherm

NISSAN factory, Japan (coated over 2,000,000 ft<sup>2</sup>):



Oil- and water tanks, Honduras



Mobile television station (Olympic games, China):



## EnamoGrip

### Yachts:

Before application:



After application:



### Anti graffiti system for public transport, Rome:



## RustGrip

**Anti-corrosion system (RustGrip, MoistMetalGrip and Enamogrip) applied on underwater pipelines:**

Before application:



After application:



**Casino Boat, USA:**



**Hanbul Energy:**



## HotPipeCoating

### Steam Manifolds:



### Warming Hopper Plastic Materials:



### Hot Pipe, Hospital:



## References Worldwide (List)



## **Governmental Organizations (USA)**

**N.A.S.A. Marshall Space Flight Center**

ISS, Shuttle, Experimental Craft  
Tuned Thermo-Dynamic Coatings,  
Corrosive Coating  
Surface Ships, Subs, Aircraft, Vehicles,  
Tents

**U.S. Department of Defense**

**U.S. ARMY, Air Force, Marines, Coast  
Guard**

**U.S. NAVY, Carriers, Subs, Surface Ships,  
Select Aircraft**

Thermal insulation, Rust encapsulation

**O.H.E.P. Ontario Hydro Electric Power Co**

Thermal insulation, Rust encapsulation

## **Multinationals**

**NISSAN FACTORY Japan**

2,000,000 sq.ft of Industrial Roof Coated  
with SuperTherm

**Wal-Mart Stores, Inc. Cold Storage**

1,200,000,sq.ft of Industrial Roof Coated  
with SuperTherm

**UPS United Postal Service**

Truck coated with SuperTherm  
Cabins, Electrical, Mechanical, Engine  
Exhaust, Airframe

**BOEING Aircraft**

**Panasonic - Matsushita Electric**

**Components Corp**

Industrial Roof Coated with SuperTherm

**Pickering Nuclear Power, Canada**

Roof Coated

**Johnson Controls, Environmental Div**

Roof Coated

**Mc Donald's Burgers of GA**

Roof Coated

**Daihatsu Automobile**

Industrial Roof Coated

**SONY**

Industrial Roof Coated

**Mitsubishi Electric**

Industrial Roof Coated

**Hitachi**

Industrial Roof Coated

**YOKOHAMA Tyres**

Industrial Roof Coated

**TOYOTA Japan, Assembly Plant**

Roof Coated

**Toshiba EMI Co., Ltd**

Industrial Roof Coated

**Canon**

Industrial Roof Coated

**Paramount Pictures Corp Studios**

Roof Coated

**Panama Canal Commission, Lock  
Division**

Rust Encapsulation

**Halliburton Pipeline, Tanks**

Rust Encapsulation

**BELL SOUTH Telephone**

Roof Coated

**Tyson Chicken Farm**

Roof Coated

**Cargill Foods Chicken Farm**

Roof Coated

**Subway Sandwiches coolers**

Roof Coated

### **Oil Companies**

|  |                          |
|--|--------------------------|
| <b>Caribbean Trading Est., U.A.E.</b>      | Various Projects         |
| <b>Ecapetrol Oil, Columbia, S. America</b> | Various Projects         |
| <b>British Petroleum, Alaska</b>           | Pipelines                |
| <b>Canolimon/Occidental, S. America</b>    | Various Projects         |
| <b>Dubai Petroleum Co., U.A.E.</b>         | Various Projects         |
| <b>EPDCO</b>                               | Various Projects         |
| <b>PDO, Oman</b>                           | Various Projects         |
| <b>Columbian Nat. Oil Co. (Pipelines)</b>  | Pipelines                |
| <b>Exxon – Mobile</b>                      | Storage Tanks, Pipelines |
| <b>Chevron Oil Company</b>                 | Storage Tanks, Pipelines |
| <b>Cosmo Oil (Tanker)</b>                  | Various Projects         |

### **Chemical Companies**

|  |                          |
|--|--------------------------|
| <b>Hoechst Celanese Corporation, Texas<br/>(home office-Germany)</b> | Various Projects         |
| <b>Pacific Asia Networking, Korea</b>                                | Various Projects         |
| <b>Greenland Geo-Thermal,</b>  | Steam Pipelines          |
| <b>Dow Chemical Company</b>  | Storage Tanks, Pipelines |

### **Architectural**

|  |         |
|--|---------|
| <b>E-A-B Associates, England</b>                                     | Various |
| <b>BBK-Gurney Ltd., England (worldwide<br/>construction company)</b> | Various |
| <b>Cosmo Trade &amp; Service, Japan</b>                              | Various |
| <b>Pacific Asia Networking, Korea</b>                                | Various |

### **Transport**

|  |               |
|--|---------------|
| <b>UPS Corporation</b>                                   | Trucks        |
| <b>Bob Fountain Transport, South Australia</b>           | Trucks        |
| <b>Hi-Tech Coatings, South Australia</b>                 | Trucks        |
| <b>Cosmo Trade &amp; Service Company Ltd.,<br/>Japan</b> | Trucks        |
| <b>Pacific Asia Networking, Korea</b>                    | Trucks        |
| <b>Munich Airport, Germany</b>                           | Roof, Walls   |
| <b>Italian Railway System</b>                            | Busses, Seats |

### **Shipping**

|  |                    |
|--|--------------------|
| <b>Cosmo Trade &amp; Service Company Ltd.,<br/>Japan</b> | Rust Encapsulation |
| <b>Caribbean Trading Est., U.A.E.</b>                    | Rust Encapsulation |
| <b>Panama Canal Commission</b>                           | Rust Encapsulation |
| <b>Sea Chick Nursery, OR.</b>                            | Rust Encapsulation |
| <b>McQueen Yacht Builders</b>                            | Masts, Hull        |
| <b>Vancouver Shipyards</b>                               | Various            |

### **Insulation Industry**

|  |                |
|--|----------------|
| <b>ASL Agrosuministros, South America</b>  | Roofing, Walls |
| <b>AG Enterprises, Kansas</b>              | Roofing, Walls |
| <b>Ontario Hydro, Canada</b>               | Roofing, Walls |
| <b>Cosmo Trade &amp; Service Co., Ltd.</b> | Roofing, Walls |
| <b>Vargas Enterprises, South America</b>   | Roofing, Walls |
| <b>Pacific Asia Networking, Korea</b>      | Roofing, Walls |
| <b>Fire Safe Industries</b>                | Roofing, Walls |

### **Civil Building**

|  |                |
|--|----------------|
| <b>TDE Group, Arizona</b>                  | Roofing        |
| <b>Cosmo Trade &amp; Service Co., Ltd.</b> | Roofing        |
| <b>Munich, Germany Apartments</b>          | Roofing, Walls |