



ELECTRO MECH TECH CO LTD.
(EMTCO)

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ELECTRO MECH TECH CO. LTD. (EMTCO)

- FAST GROWING LOCAL COMPANY WITH 15+ YEARS OF INTERNATIONAL INDUSTRIAL EXPERIENCE WITH SYSTEMS AND SPECIALIZED SOLUTIONS THAT SAFEGUARD CRITICAL ELECTRO-MECHANICAL INDUSTRIAL APPLICATIONS.
- PROVIDES A COMPREHENSIVE RANGE OF STANDARD, MODIFIED AND CUSTOM ENGINEERED SOLUTIONS FOR THE ENERGY, INDUSTRIAL, INFRASTRUCTURE, COMMERCIAL, COMMUNICATIONS, MEDICAL, SECURITY AND DEFENSE MARKETS.



EMTCO - Your Reliable Partner

OUR APPROACH

WE BELIEVE EVERY PROJECT REQUIRES
A SOLUTION-ORIENTED MINDSET FROM
A SERVICE/PRODUCTS PROVIDER.

EARLY INVOLVEMENT OFFER
OPTIMIZATION OPPORTUNITIES TO
REDUCE TOTAL INSTALLED COST (TIC).



Our Culture – Hand to Hand for Project Optimization

OUR VALUES

- CUSTOMER FIRST.
- POSITIVE ENERGY.
- ABSOLUTE INTEGRITY.
- ACCOUNTABILITY.
- RESPECT & TEAMWORK.
- INNOVATION & ADAPTABILITY.



OUR GLOBAL PARTNERS

nVENT ELECTRIC PLC – USA

GLOBAL MARKET LEADER FOR ENGINEERED INDUSTRIAL SOLUTIONS

- **RAYCHEM ELECTRICAL HEAT TRACING SYSTEMS.**
- **TRAC-LOC TANKS THERMAL INSULATION SYSTEM.**
- **TRACE-TEK LEAK DETECTION SYSTEMS.**
- **HOFFMAN ENCLOSURES**

FLUID - O – MECH CONTROLS INC.

WIDE RANGE OF WORLD CLASS VALVES FOR DIFFERENT APPLICATIONS



We Bring The World Class Technologies to You....

RAYCHEM – ELECTRICAL HEAT TRACING SOLUTIONS

Did you Know?



RAYCHEM
INVENTED
**SELF REGULATING
TECHNOLOGY**
50+ YEARS AGO



+500.000 KM
Installed Heat Tracing



NO. 1
Brand for Heat Tracing
Raychem



700 KM
Demonstrate longest heated
pipeline in the world- Mangala



Products installed in
**MOST ICONIC
BUILDINGS IN
THE WORLD:**
Shard - London | Eiffel Tower - Paris,
Burj Khalifa - UAE, | London Underground

ELECTRICAL HEAT TRACING SYSTEMS



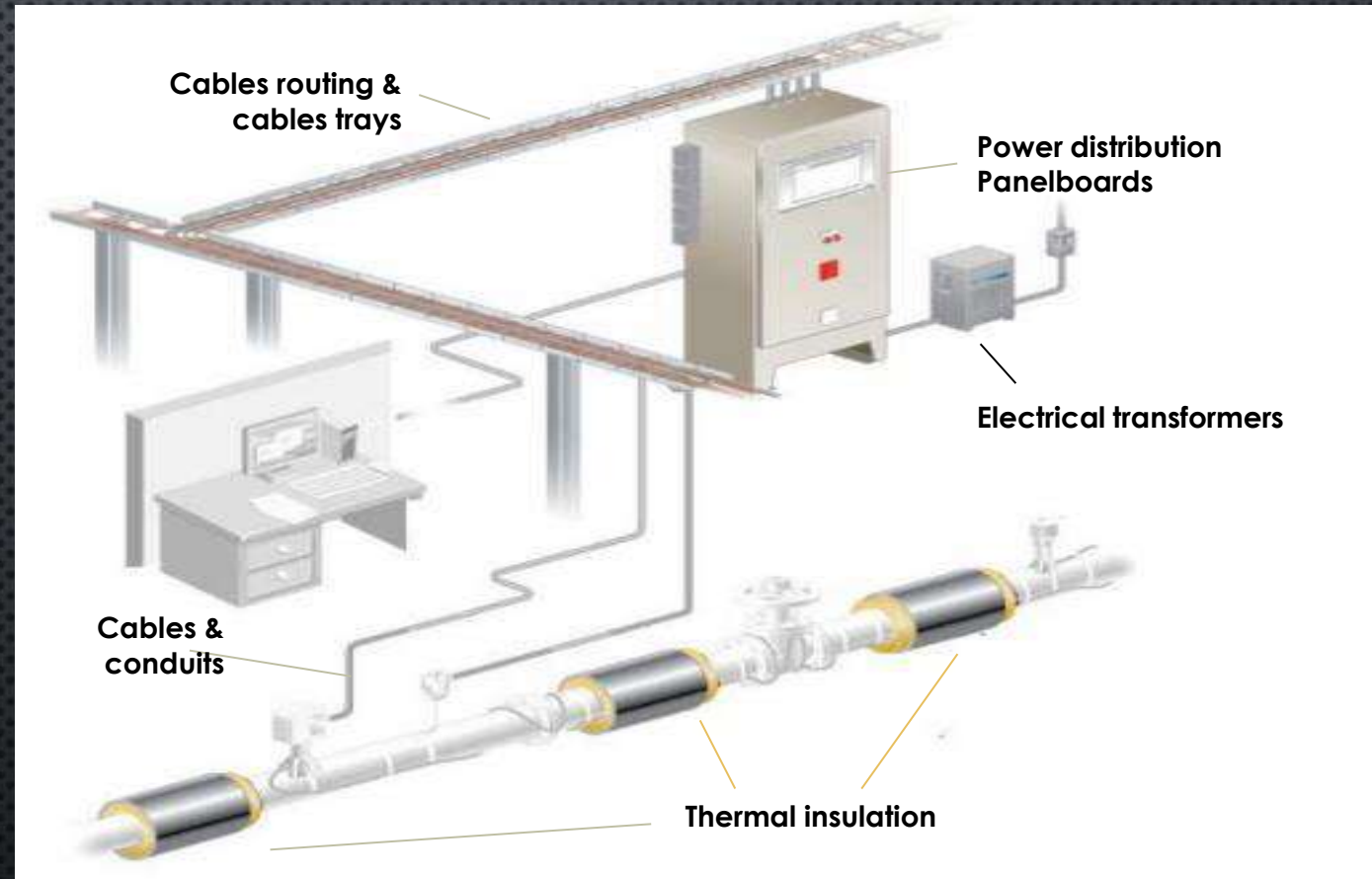
**Electrical
Panelboards**



**Power
Cabling**

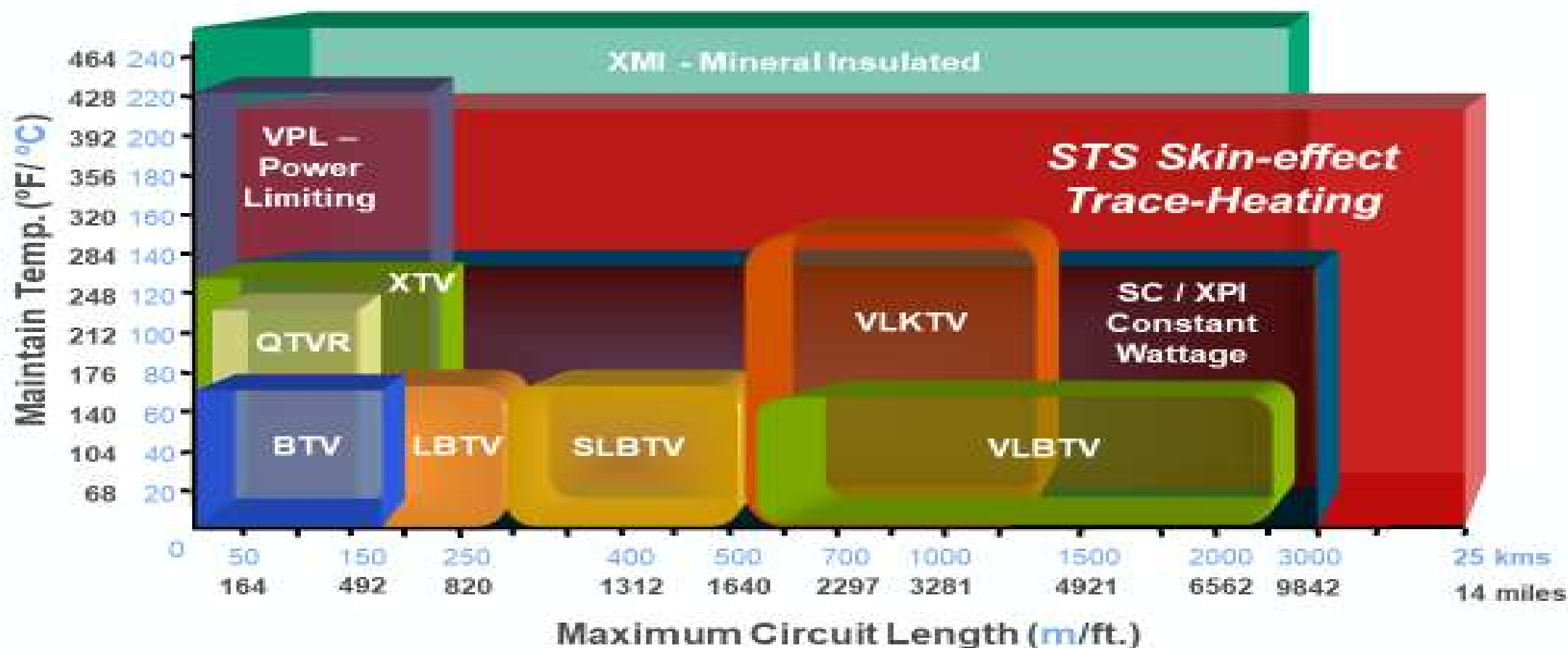


**Thermal
Insulation**



Complete Heat Management Solution (HMS)

Wide Range of Products for different Applications



STS allows for long circuit lengths and high maintain temperatures

Supported by Versatile Advanced Control & Monitoring systems



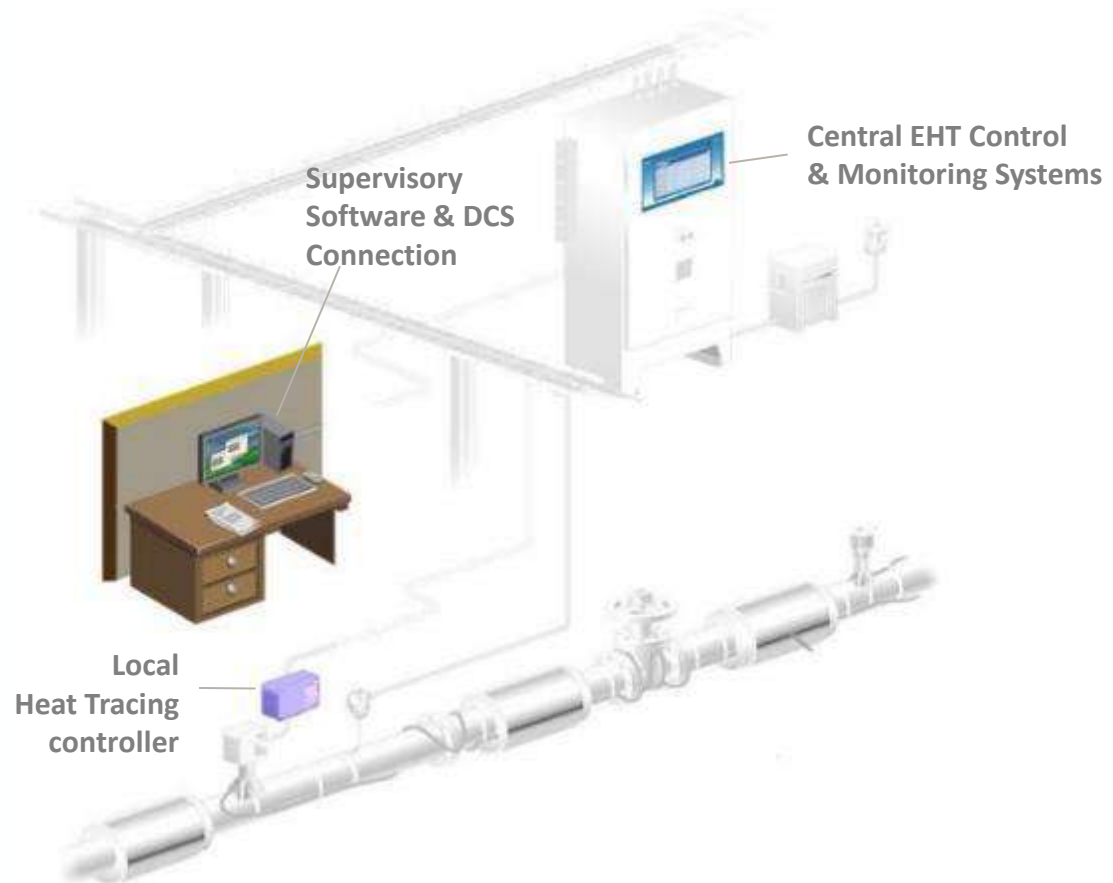
NGC-20
Local
System



NGC-30
Central
System



NGC-40
Modular
System



TRAC-LOC TANKS THERMAL INSULATION SYSTEM

TRAC-LOC®

THE CONCEPT IS BASED ON VERTICAL INSULATING PANELS PREFABRICATED IN WORKSHOP WHICH ARE ASSEMBLED ON SITE BY A SEAM SYSTEM.

- LONG LIFETIME (WITH STABLE INSULATION BEHAVIOUR OVER THE LIFETIME)
- HIGH ENERGY SAVINGS (WHEN APPLYING PIR INSULATION MATERIAL INSTEAD OF MINERAL WOOL) RESULTING IN SUBSTANTIAL YEARLY SAVINGS AND A REDUCTION OF THE CARBON FOOTPRINT
- UNDER INSULATION CORROSION (UIC) MINIMIZED
- MAINTENANCE FREE

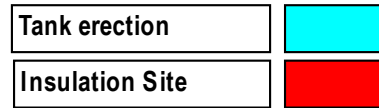


Lower your carbon footprint
and save money

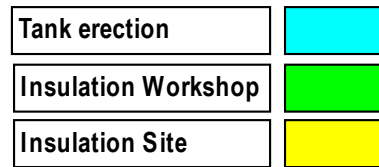
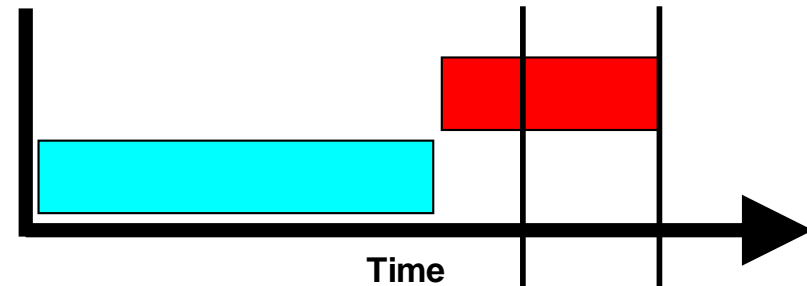
Trac-Loc Concept and Objectives

TRAC-LOC BENEFITS

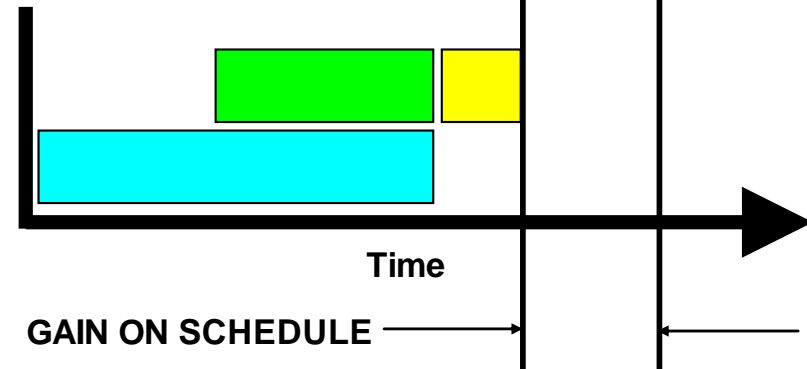
- TIME USUALLY SPENT ON SITE AND RELATED TO CONSTRUCTION IS TRANSFERRED TO MANUFACTURING ACTIVITIES IN WORKSHOP CONTROLLED ENVIRONMENT.
- NO SCAFFOLDING FOR INSTALLATION.
- LESS FABRICATION/INSTALLATION CREW.
- MINIMIZED UIC.
- MAINTENANCE FREE.
- COST EFFECTIVE.



Conventional insulation



Trac-Loc insulation



Way Beyond Just Thermal Insulation

TRACE-TEK LEAK DETECTION SOLUTIONS



TANK FARMS

- Tank bottom fuel & Chemical Leak Detection
- Tank bund walls, Sump Pits
- Tank roof leak detection
- Batch and transfer lines
- Sensing cable & probe based technology
- Wired & wireless communication
- Pin point location of leakages



AIRPORTS & PIPELINES

- Leak detection along the fuel hydrant line
- Fuel Leak detection in valve chambers
- Pump Pads & Tank farm area
- Networking over redundant fiber optic technology
- Pin point location of leakages



DATACENTERS & INFRASTRUCTURE

- WLD for server and data rooms
- FLDS for diesel generators and day tanks
- Raised floor areas
- Chilled water pipeline applications
- FM 7745 approved technology



TRACETEK



Protecting Industrial and Commercial Facilities!.

VARIOUS SENSING CABLES FOR DIFFERENT APPLICATIONS

TT1000	TT1100-OHP	TT1100-OHP-THIN	TT3000
			
<ul style="list-style-type: none">• Primarily sold in fixed lengths with connectors installed in the factory. Designed for simple stocking through distribution channels.	<ul style="list-style-type: none">• Used to detect water of water/glycol dripping from overhead pipe.• Protective outer rope layer will also provide protection in dirty areas or protection from sharp metal edges.	<ul style="list-style-type: none">• Special version of TT1100 designed to be installed inside the cladding on insulated pipe.• This mesh provides a small amount of insulation from metal edges.	<ul style="list-style-type: none">• Used to detect aqueous chemicals – standard chemical resistant metal connectors

We Manage Liquid Leakage

HOFFMAN ENCLSOURES AND JUNCTION BOXES

GLOBAL MARKET LEADER OF IEC/ATEX ENCLOSURES
AND JUNCTION BOXES

- COMMERCIAL APPLICATIONS: ELDON BRAND.
- INDUSTRIAL APPLICATIONS: HOFFMAN BRAND.
- SINGLE AND DOUBLE DOOR.
- IP RATING VARIETY (IP-67/66/55 & 54).
- DIVERSITY IN MOC:
(STAINLESS STEEL/ MILD STEEL & POLYSTER)
- STANDARD COPPER EARTHING STUDS FOR DOOR AND BODY

Enclosures

Equipment Protection



Hoffman

Protection of your Equipment is our Responsibility

TECHWIN INTERNATIONAL

- ADVANCED TUBING SOLUTIONS:
- PRE-INSULATED TUBES.
- ELECTRIC HEAT TRACED TUBES.
- STEAM TRACED TUBES.
- AVAILABLE IN DIFFERENT SIZES (1/4" TO 3/4").
- AVAILABLE IN DIFFERENT MATERIALS (SS, CU AND SPECIAL ALLOYS).



Tubing Bundles Solutions for Different Applications

- Butterfly
- Piston Valves
- Ball
- Check
- Globe
- Gate



FLUID - O - MECH CONTROLS INC

FLOW CONTROL VALVES

CRITICAL APPLICATION



COMPREHENSIVE SCOPE FOR CUSTOMERS SATISFACTION



Our site services and capabilities:



- Supervision/Management



- Project Controls



- Materials Management



- Installation



- Field Coordination



- Quality Assurance/Quality Control (QA/QC)



- Commissioning and Start-Up

Single Source Responsibility for Complete Scope

EMTCO COMMITMENT TO SERVE OUR CUSTOMERS

- SAFETY.
- QUALITY.
- SCHEDULE COMPLIANCE.
- PREDICTABLE COST.



Safety First!.

REFERENCES

- CHEVRON EGYPT.
- ALEXANDRIA NATIONAL REFINING AND PETROCHEMICALS COMPANY (ANRPC).
- KHALDA PETROLEUM Co. (KPC).
- QARUN PETROLEUM Co. (QPC)
- SHELL EGYPT.
- PETROSAFE.
- EL-SEWEDY PSP.
- PETROJET.
- ITAL-FLUID EGYPT.
- HASSAN ALLAM HOLDING

The Journey Has Just Started!.