



ABOUT US

Techzol International is having core competence of providing most reliable & cost effective solutions in field of electric heat tracing, heated tubing bundles, floor heating, door heating, ETP and electric heating systems in diversified industries like oil refineries, Petrochemical, Power Generation, Pulp & Paper, Paint, Gas Processing, Cement, Food Processing etc. Promoted by professionals having more than 15 years of experience in various aspects of heating business, spread in variety of applications in aforesaid industries.

OUR SERVICES

Techzol offers complete turnkey package comprising of design, supply, installation, testing and commissioning for all Electric Heat Tracing, Heated Tubing Bundles , Floor Heating, Heating Jacket and Electric Heating Applications.



VISION

Be a market leader in providing critical industrial solutions that satisfies the needs of our stakeholders

MISSION

To be a solution provider by providing best customer service and highest quality of end products.

CORE VALUES

- **Utmost importance to customer satisfaction and make sure what we commit the same we deliver**
- **Adopt a flexible approach and ensure to have tailor made requirement which is to be inline with customer requirement**



OUR FOCUS

We emphasize on providing and maintaining the Best Quality Experience

LONGEVITY:

As we focus on providing the best quality products thus our products give you high durability and endurance experience.

USABILITY:

We have a vast portfolio and solution for each and every application which meets the requirement of the customer.

EFFICIENCY:

We have performance oriented products that offers you value for money and streamline the process.

We cater to custom based solutions for our customers.



"WE ARE A CUSTOMER-CENTRIC COMPANY"

Needs

We believe in building an intimate understanding of our customers and their needs. Accordingly, we provide them the best-suited solution.

Experience

We strive on putting our customer's priorities ahead of anything else. Thus, we look for ways to make the customer experience exclusive and best.

After-Sales

We embrace the long term relationship, therefore, we value our customer's feedback.

OVERVIEW

Techzol International is supported with excellent design and project management capabilities to provide most appropriate solution for ant electric heating and electric tracing application.

OUR PRODUCTS

- » ELECTRICAL HEAT TRACING SYSTEM
- » HEATED TUBING BUNDLES (So_x NO_x APPLICATION/
STEAM TRACING)
- » FLOOR HEATING
- » DOOR HEATERS
- » HEATING JACKETS
- » STORAGE TANKS & CONVEYORS
- » ELECTRIC HEATERS
- » ETP
- » WASTE MANAGEMENT
- » RAINWATER HARVESTING

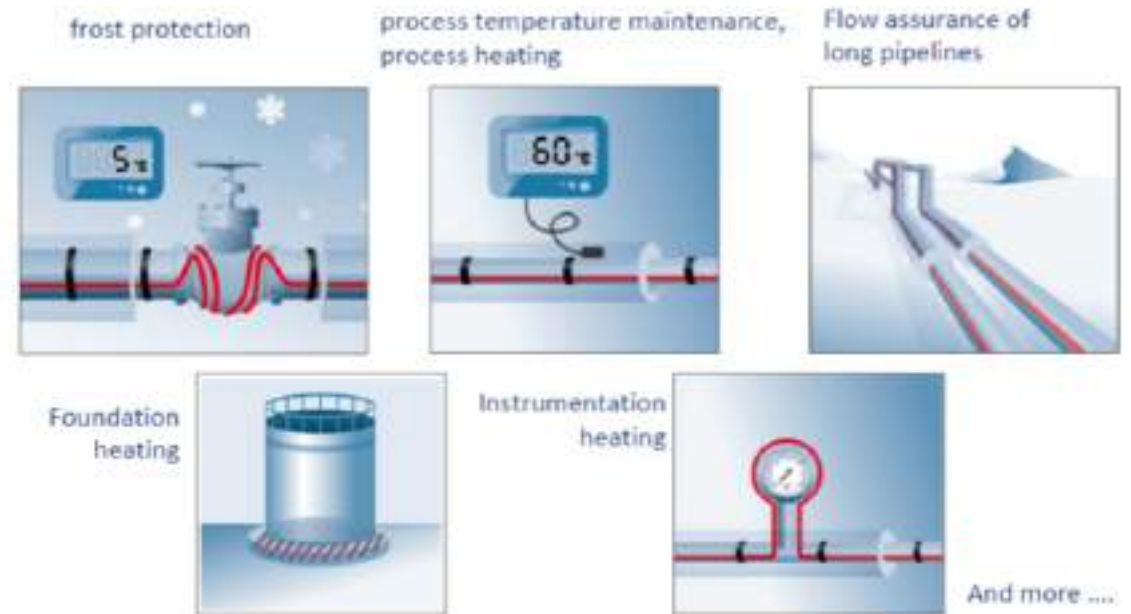


PRODUCTS

ELECTRIC HEAT TRACING (EHT)

Electric Heat Tracing system is required for all products which are required to be kept at temperature more than atmospheric temperature. In india predominantly it is required for heavy fuel oil, crude piping and tanks. Industry wise refineries, petrochemical plants, process industries, thermal power plants. Steel plants, cement plants, sugar industries have this requirement.

Techzol can design the tracing system by recommending the tracer technology and execute complete turnkey job comprising of design, supply, installation, testing and commissioning of entire electric heat tracing system



HEAT TRACER TECHNOLOGIES

- Self-limiting, self-regulating Heat Tracers
- Customized Drum Heater/ Heating Jacket
- Power Limiting Heat Tracers
- Series/Parallel Resistance Constant Wattage Heat Tracer
- Skin Effect current tracing for transfer pipeline
- Frost Heave prevention Heat Tracers
- Mineral insulated Heat Tracer for High Temperature Application

The Heat Trace Cables are certified by the following authorities:



Techzol Heat Tracing System is approved to be used in the hazardous and non-hazardous areas

PRODUCTS

HEATED HOSE/ TUBING BUNDLE/ TUBE TRACE/ HEATED TUBE

Application

Pre-heated, pre-insulated heated hoses with PTFE / SS tube, self regulating / constant wattage heaters, suitable in safe & hazardous areas. TRACELINE tubing bundle can be used for transportation of liquids and gases and can provide either frost protection or maintenance of process temperatures. They are mainly found in chemical and petrochemical industry as analysing, instrument, sample extraction and process lines steam lines, condensed water return lines and transport lines for fluid and gaseous substances in explosive environments.

We can provide tubing bundle or heat traced lines for :

- o Temperatures from frost protection up to 200°C.
- o Smooth surface made of extremely weather-resistant material.
- o Up to 300 m in a single drum length.
- o Cut to length on site
- o The flexibility as well as the ambient conditions of the lines depends on the type of the protection jacket.

There are two different types :

- o Rigid lines, sheathed with plastic (PVC, TPU or PA).
- o Flexible lines, encased with a corrugated plastic (PA) or metal tubing.



Electric Traced Tubing Bundle



Steam Traced Tubing Bundle

The Heat Trace Cables are certified by the following authorities:



Heated Hose is approved to be used in the hazardous and non-hazardous areas



PRODUCTS

FLOOR HEATING

This is Highly Practical, Easy To Install, simple and economical way of adding warmth to your home and hotel. It can be used with all type of floors, weather ceramic tiles, wooden flooring, stone, porcelain, glued down floors (LVT, wood, carpet) The heat source is an insulated cable , fixed on a self adhesive fiber glass mat, terminated at ends with cold lead for connection to power supply. It is a factory assembled unit, can't be alerted or terminated at site. To ensure safe installation read instruction manual carefully in details.

FEATURES

Can be used, as main central heating solution, or may be used as an additional source at your existing heating systems. Low installation and running cost.

No electromagnetic interference (EMI) or electrical noise, because of twin conductor construction.

May be used with any kind of flooring.

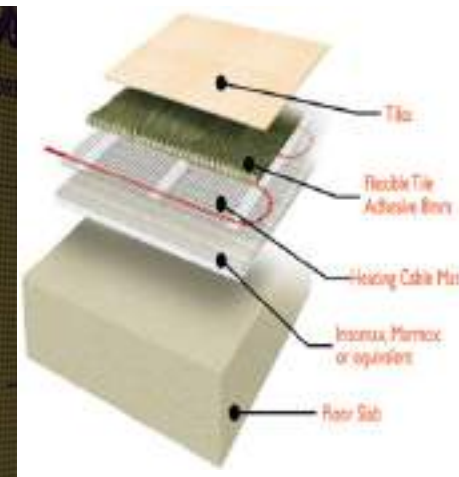
Easy heating control, using standard or programmable thermostat.

No maintenance ever, during building life time, if installed properly. Service life is more than 30 years.

APPLICATION

Final floor covering: Tile, stone, ceramic, vinyl and LVT's glued down carpets/wooden flooring.

Sub flooring: Concrete slab, cement boards, ply woods/insulation boards.



Offered Floor Heating mats having warranty of 10 Yrs.



PRODUCTS

DOOR HEATING

A door case-heater prevents the freezing on of the door seal. So it allows entering climate chambers, rheumatism cells, deep freeze cells, deep freeze rooms and cold stores unobstructed. As frame-heaters, silicone- and PTFE-isolated heating pipes are mainly used.



Offering Silicon and PTFE heating tapes for cold storage application.



PRODUCTS

HEATING JACKETS

Whereas traditional Electric Heat Tracing methods, where Self Regulating Heating Cable is installed directly on pipes and valves with insulation is permanent, Heat Traced Jackets offer the advantage of being able to be removed and reinstalled, when maintenance of the system is necessary.

Standard and special features:

Jacket sizes: Small Traced Heating Jackets are sometimes difficult because of the ability to stow the lead junction hardware, and the lack of flexibility of the cable heater. However, typically Jackets may be designed to fit down to ¾ inch diameter pipes and fittings. Large Heating Jackets are limited by weight, typically 25kg, but may be constructed in a modular fashion to fit large surfaces using several jackets



The Heat Trace Cables are certified by the following authorities:



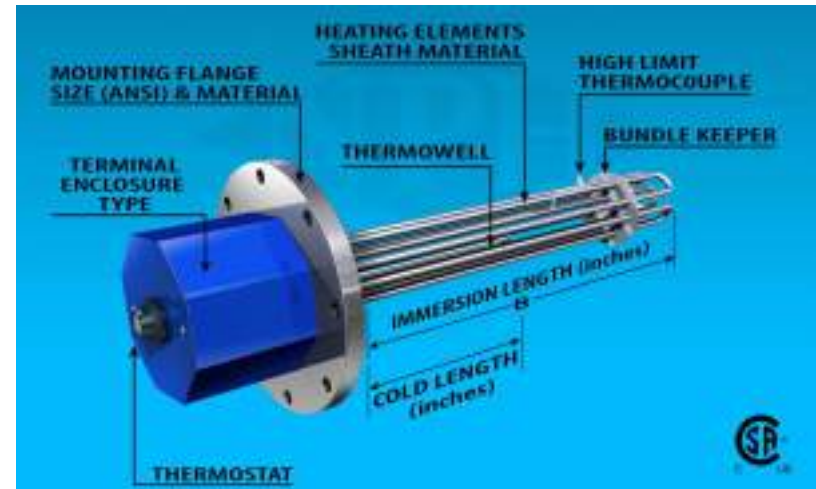
Techzol Heating Jacket is approved to be used in the hazardous and non-hazardous areas.



PRODUCTS

INDUSTRIAL HEATERS

Techzol major product lines consist of: industrial process immersion heaters, flexible heaters (silicone rubber heaters), coil heaters, cast in aluminum heaters, flanged immersion heaters, mica and ceramic/knuckle band heaters, hazardous area/explosion proof heaters, ceramic infrared heaters, water, tank and oil heaters for most industrial applications. Custom electric heater designs are welcomed and are our specialty which can include custom cartridge heaters, custom flexible silicone rubber heaters and custom industrial immersion heaters as well as custom pipe insert heaters



IMMERSION HEATERS



FLANGED HEATERS



Our offering is approved to be used in hazardous and non - hazardous area.



PRODUCTS

STORAGE TANK & CONVEYORS

Techzol provides complete solution for storage and distribution of edible oil as well as other industrial oil. We design complete project of oil storage and distribution in refinery for their process and packaging needs.

Features & Options of Tank:

- Design options: Vertical design / Horizontal Design
- Material of construction (MOC) options: SS304, SS316, Carbon steel and Alloy steel
- Surface finish options: Food grade matt / mirror polished for cooking oil storage tank & Mechanical polished for other industrial oil storage tanks.
- Insulation Options: LRB Rock wool / Glass wool / Nitrile rubber / PUF / Other
- Outer Cladding & Appearance options: Stainless steel cladding / Aluminum cladding / Other
- Manhole connection options: Top entry / Side entry
- Stirrer option: Magnetic stirrer / Mechanical stirrer
- Stirrer orientation option: Top mount / Bottom mount / Side mount stirrer
- Supporting options: Hang bracket / Leg support / Saddle support



Offering customized requirement w.r.t application.



PRODUCTS

SPIRAL CHUTES

In the packaging market, be it primary or secondary, it's critical that products stay in pristine condition while keeping a high throughput. Techzol spirals are known for their longevity and careful handling of goods while maintaining blazing speeds. Even multi-rows, portal functions, cooling or accumulating is possible



**Offering Spliral Chutes for packaging in
FMCG Sector.**



PRODUCTS

INCLINED BELT CONVEYOR SYSTEMS

These comprise two or more pulleys with a continuous loop of material, and are fitted with various supporting elements. Our belt conveyors are best suited for heavy-duty applications & movement of large and bulky products. These are widely used in automotive, warehouse and food & beverage industries.



Offering Conveyor System for packaging in
FMCG Sector.



PRODUCTS

EFFLUENT TREATMENT PLANT

ETP is essential to purify waste water which is come from different types of manufacturing industry like textile, dyes, chemical, pharmaceutical and many more. Different waste water has different characteristic which pollute the water.

Process of effluent water in effluent treatment plant:

Primary Filtration : It is first stage of ETP, where effluent is coming from dyeing, weaving, printing or finishing unit. Here primary filtration is performed to remove solid waste particles.

Cooling and Mixing: In this stage, different types of effluents are mixed and cool down with help of motor which run a fan

Neutralization Tank: After cooling and mixing, effluent is transferred to neutralization tank with help of pump. Here, acid or alkali is mixed to neutralize the effluent. Ph meter is placed in neutralization tank.

Co-agulant Bath: After neutralization of affluent, affluent is transferred to co-agulant bath. Here, co-agulant is added with effluent

Settling Tank: Effluent separates from water and found in lower level of tank. Effluent is like sludge

Pressure filter: Filtration is done under pressure. Certain amount of pressure is created here

Carbon filtration: It is an optional filter process

Discharge to Drain: After completion of all process, effluent becomes purify and it becomes safe to drain to environment



PRODUCTS

WASTE MANAGEMENT

FULLY AUTOMATIC COMPOST MACHINE

- Convert Food and Garden Waste to Fertilizer in 24 hours
- Inbuilt Shredder. Separate shredding not required
- Dual Feed Inlets through Shredder as well as Direct
- No full time manpower required
- PLC based Touch screen interface
- Feed & Forget system
- Auto Power Saving mode on process completion
- Only 1-2 man-hours required per day
- Online Monitoring System
- Compact and Mobile



Application of Composting machine:

- a) Vegetable and Fruit markets,
- b) Corporate canteens,
- c) Hotels and Resorts and Restaurants,
- d) Parks and Stadiums,
- e) Hospitals, Schools and Colleges,
- f) Military canteens and Mess,
- g) Railway Stations and Airports
- h) Highway service centers,
- i) Temples and other religious institutions
- j) Food Processing and Manufacturing facilities,
- k) Supermarkets and food distribution centers,
- l) Municipal Councils and Corporations,
- m) Group Housing Societies.



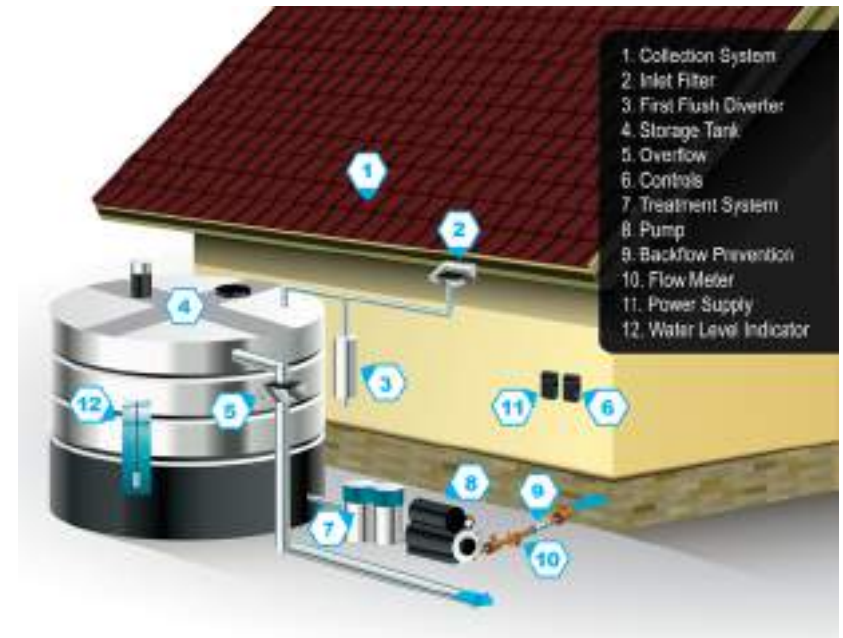
Approved in GeM and Muncipal Cooperation.



PRODUCTS

RAIN WATER HARVESTING

1. Collection system: Roof surface and gutters to capture the rainwater and send it to the storage system
2. Inlet filter: Screen filter to catch large debris
3. First flush diverter: Diverter that removes debris not captured by the inlet filter from the initial stream of rainwater
4. Storage tank: Storage tanks composed of food-grade polyester resin material approved by the U.S. Food and Drug Administration (FDA), which is green in color and helps to reduce bacterial growth
5. Overflow: Drainage spout that allows for overflow if the storage tank gets full
6. Controls: Control system that monitors water level and filtration system
7. Treatment system: Filtration and disinfection system that treats the water to non-potable or potable standards
8. Pump: Pump to move water through the system to where it will be used
9. Backflow prevention: Backflow preventer to ensure that under negative pressure water cannot flow backwards through the system into the make-up water system
10. Flow meter: Flow meter (with data logger) to measure water production
11. Power supply: Systems may use either conventional power sources or, to improve off-grid capabilities, alternative sources such as stand-alone or grid-tied solar systems
12. Water level indicator: Monitors the water level in the storage tank



OUR PRESTIGIOUS CUSTOMERS



Many More.....



GET IN TOUCH

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