

INFRARED HEATERS



In Association with SVCH-Technologii, Moscow (Russia)

ISO 9001:2015 | ISO 14001:2015 | ISO 45001:2018

ABOUT US

KERONE is now renowned for serving the specialized needs of customers with the best quality and economical process of Heating /cooling and drying products, manufactured in a high-quality environment by a trained and qualified workforce (special purpose machinery)

-  48+ Years Manufacturing Excellence
-  Great Sale Support
-  Highly Customized Product
-  Adherence to Standards
-  Sound Infrastructure
-  Team of experts Delivering Quality
-  Timely Delivery
-  Cost Effective Solutions



KERONE is a pioneer in application and implementation engineering with its vast experience and team of professionals.



KERONE is devoted to serve the industry to optimize its operations both economically and environmentally with its specialized heating and drying solutions.



KERONE is having immense expertise in manufacturing and implementing various types of engineering solutions.



KERONE is possessing employee strength of more than 280+ experts continuously putting efforts for happy industrial engineering solutions.

WHY CHOOSE US

With decades of expertise, cutting-edge technology, and a customer-centric approach, Kerone Engineering offers tailor-made heating solutions that prioritize quality, flexibility, and cost-effectiveness. Benefit from our commitment to excellence, post-sales support, and innovative solutions for your unique heating needs. Choose Kerone Engineering for reliability, performance, and unmatched value.

MISSION

- ✓ To enhance the value of customer operation through our customer need centric engineering solution
- ✓ We are committed to provide our customers, unique and best in class products in Industrial heating drying and cooling segment with strategic tie-up for the technical know-how with renowned leader in the industry specific segment

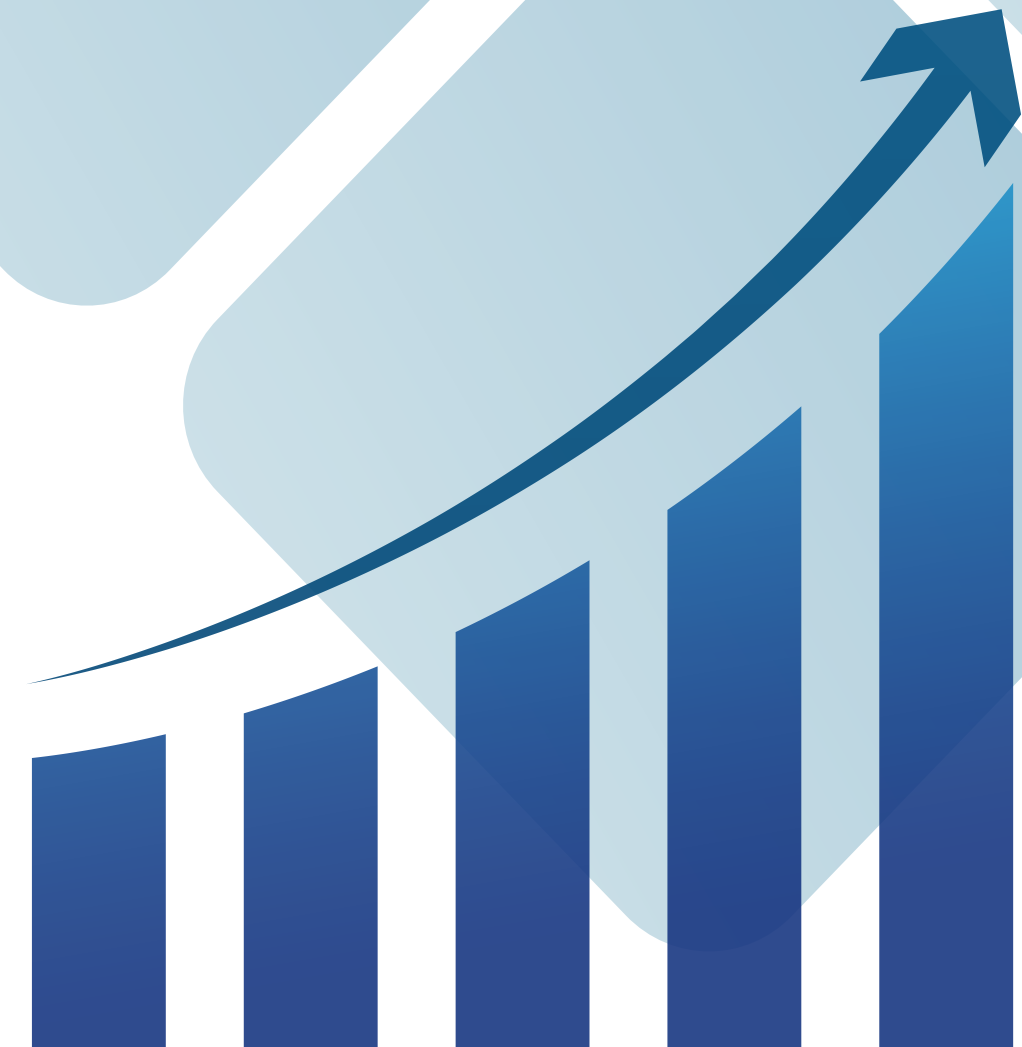
VISION

- ✓ Turn into a world leader in providing specialized, top-notch quality and ecological industrial heating, cooling, and drying solutions across the globe.
- ✓ To attain global recognition as the best of quality and environment-friendly engineering solution company.

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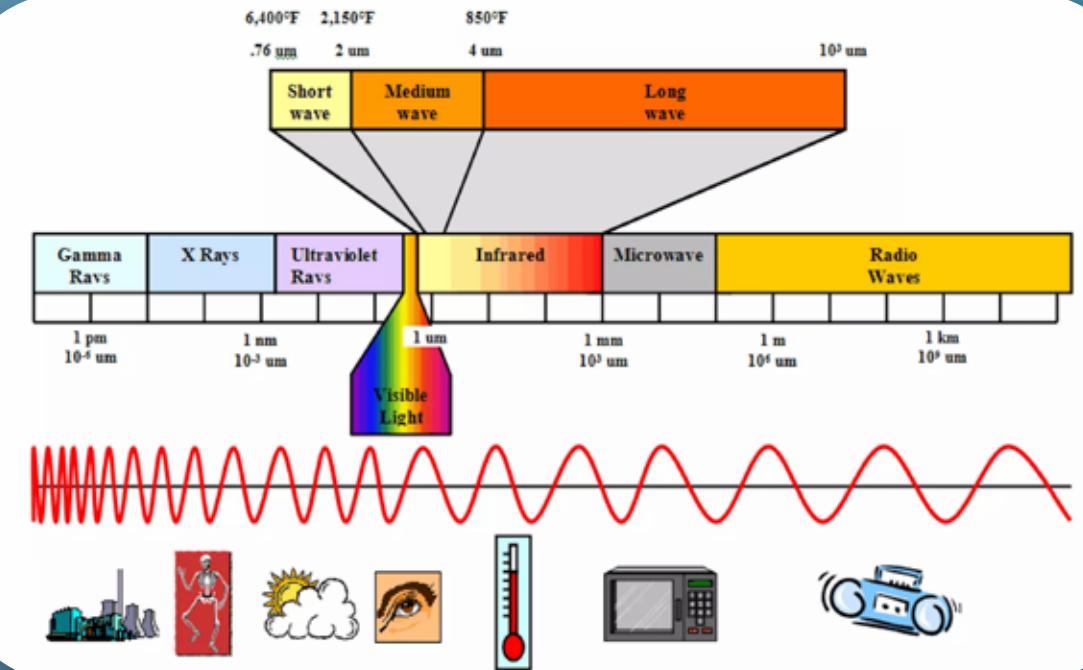
Enhance the value of customer operation through our customer need centric engineering solution.

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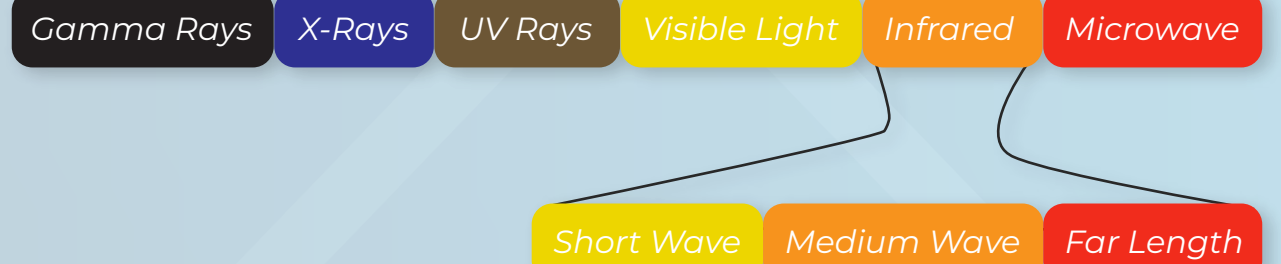


Introduction of Infrared

- Infrared Heating System are part of Electromagnetic heating family.
- Infrared heater uses IR radiation waves falls just below visible light spectrum.
- Infrared radiator heat produce heat on the surface of material.
- Heat is transferred from outer surface to inner body.
- Infrared heating system produce heat same as 'SUN' from hot surface to cold surface.



The electromagnetic spectrum describes the various types of electromagnetic energy best on wavelength



Infrared Heating System are basically classified based on its emitting wave length :

Far Infrared (3000 nm and Above)

Medium Wave (1400 nm and 3000 nm)

Short Wave (780 nm to 1400 nm)

Infrared Heaters Vs Conventional Heaters

Infrared Heaters

IR heating systems are fast heating system, results in saving of time.

Instant heating of the material, hence no warm up time.

Environmental friendly and green heating solution, no carbon emission.

100% energy utilization, Heats only desired spot of material.

Better floor utilization index.

No Temperature loss in surrounding, ambient work-place.

Conventional Heaters

Conventional heaters have slow heating rate, heat is transferred via means of air.

Instance heating does not takes place, it requires warm-up of surrounding.

Produces carbon or toxic gases hence not much environmental friendly heating solutions.

100% energy utilization is not possible, as material is heated by surrounding hot air.

Poor floor utilization index.

Surrounding air temperature rises with rise in heater temperature.

Infrared Heaters Vs Microwave Heaters

Infrared Heaters

IR heating systems utilizes electromagnetic system uses wavelength of about 0.01 centimeters.

Heats the object from surface of object.

Compact system providing better floor utilization index.

Infrared heaters are better substitution of traditional convention heaters.

Depth of heat penetration is lower in infrared heaters as it heats from surface.

Microwave/RF Heaters

IR heating systems utilizes electromagnetic system uses wavelength of about 1 centimeters.

Heats the objects from within the object.

Microwave heaters also does not require larges space hence offers better floor utilization index.

Microwave heaters cant not substitute the conventional heaters.

Depth of heat penetration is higher in Microwave heaters.

IR heater in Pharmaceutical Industries

Pharmaceutical industries has various application require efficient heating/drying for quality and hygienic output.



**Drying of
Tablets**



**Aqueous
film coating**



**Chemical
Processing**



**Powder
Making**



**Herbs
Drying**



**Bottle
Sterilization**



IR heater for Pharmaceutical



Infrared Dyer for Pharma



Infrared Dyer for Herbs dryer

IR heater for Pharmaceutical

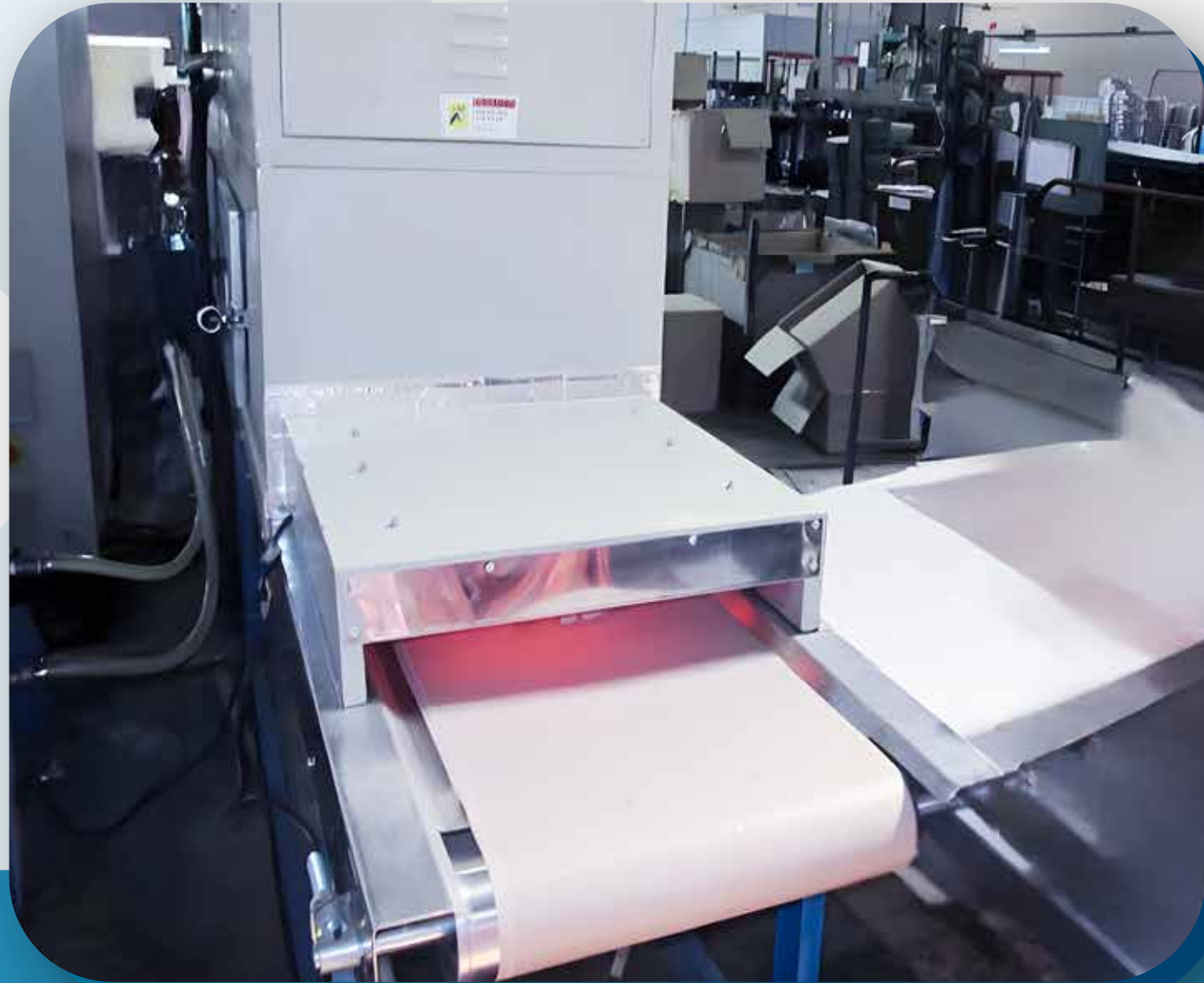


Infrared based Umbrella dryer



Infrared Dyer for Bottle Sterilization

IR heater for Pharmaceutical



Infrared for Powder making



Infrared oven for chemical Processing

IR heater in Plastic and Rubber Industries

Plastic and Rubber has increased its application in various application, so the demand. Below and few important applications those require heating:



Plastic Thermoforming



Rubber extrusions



Curing thermoset plastics



Drying for injection molding



IR heater in Plastic and Rubber Industries



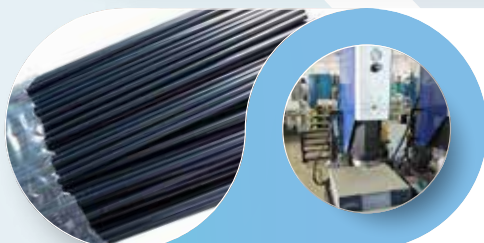
Rubber Curing



Plastic Annealing



Heat thermoset composites



Plastic Welding



Re-glossing



IR heater in Packaging

The packing industry is evolving with large amount of packed goods required to be transported with care. Following are the areas require IR heating:



**Activate
adhesives**



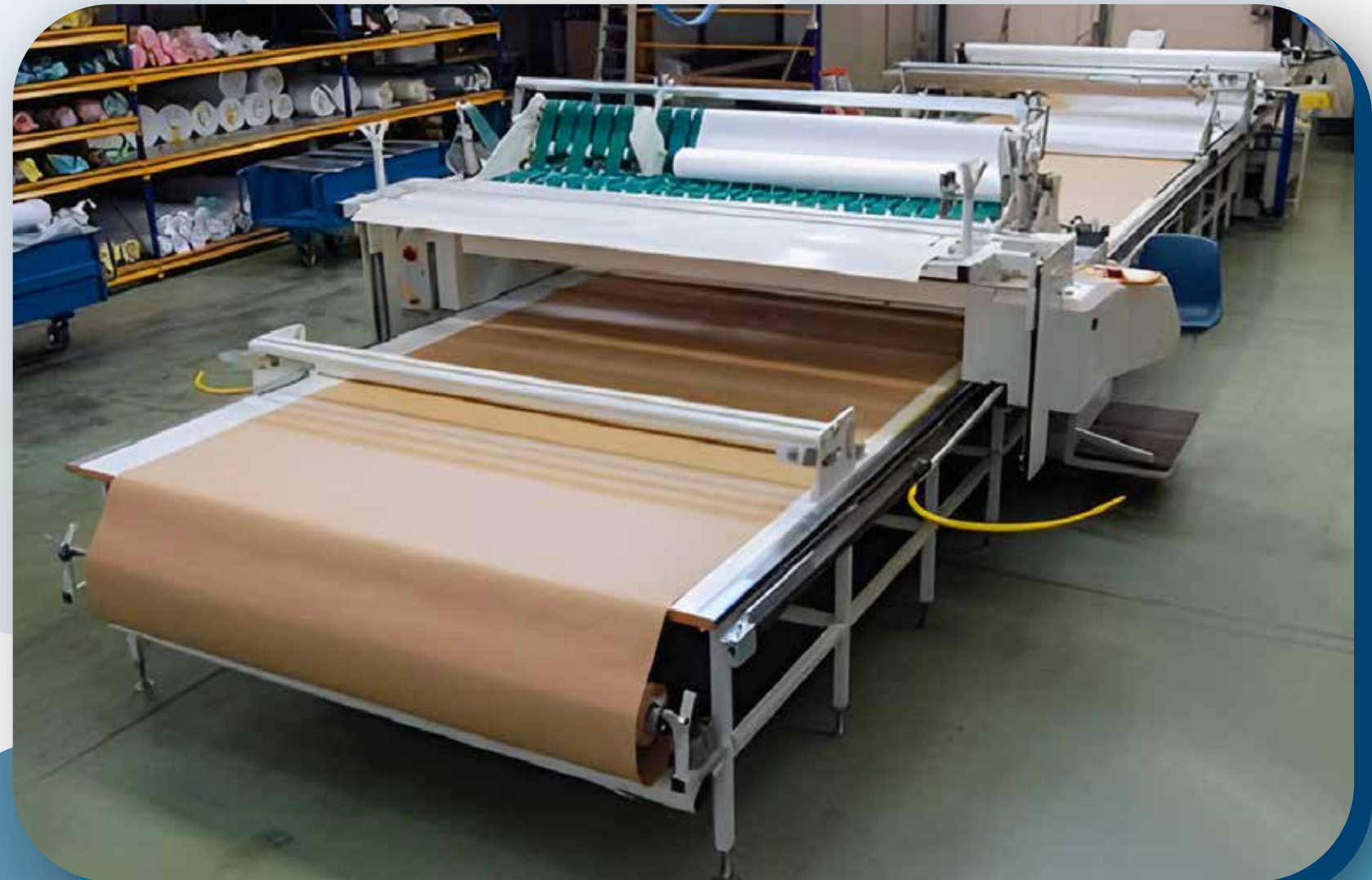
**Seal plastic
foil packages**



**Safety
seal bottles**



Shrink film

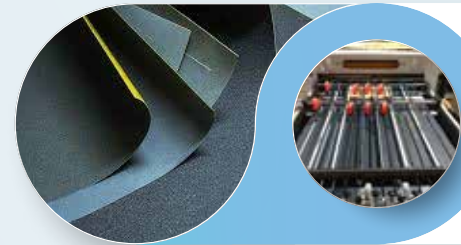


IR heater in Paper Production and Printing

Paper is one of the oldest industrial production process that require heating at very large scale from manufacturing to Printing. Below are some application in which IR fits in:



Corrugated
cardboard
adhesive curing



Dry
paper sheet



Drying of
Printing Ink



Coating
of Paper



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IR heater in Glass and Ceramics

Infrared Heaters find multiple application in Glass and Ceramics:



Bend glass



Bond double-pane
and laminated
safety glass



Dry extruded
ceramic



Temper glass



Fire glazes



IR heater in Metal Industries

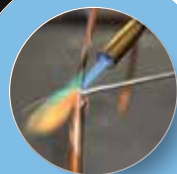
Infrared heaters and dryers find following applications in metal industries:



Foundries



Annealing



**Brazing
and soldering**



**Stress relief
of springs**



IR heater in Automobile Industries

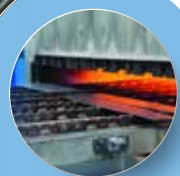
Infrared heaters and dryers find following applications in Automobiles:



Drying Paints



Super plastic forming



Rapid heat treating



Weld stress relief



TRUSTED PARTNERS

AFCONS

Technip

TÜV

ISO 14001:2004

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ENGINEERING

EIL

LLOYD'S

ZEPPELIN
WE CREATE SOLUTIONS

Reliance
Engineering
Associates Pvt. Ltd.

TATA
TATA CONSULTING ENGINEERS LIMITED

SC Shroff Consultants

STERLING & WILSON

THANK YOU

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