YOUR TRUSTED TECHNOLOGY SOLUTION PARTNER

SERVING THE ELECTRO MECHANICAL AND KITCHEN INDUSTRIES FOR MORE THAN A DECADE
Prime Star Technologies Co. Ltd, KSA is an integral part of the prestigious and renowned Prime Group of Companies. We offer unmatched work-life solutions to our customers, employees, investors, partners and the society at large.

We specialize in catering to our customers with various Engineering requirements in diverse disciplines of Mechanical, Electrical, Acoustics, Kitchen Equipment, specialized MEP products and services. Prime Star is driven by fully qualified and self-motivated professionals, collectively contributing their experience and expertise, to gear the Advanced Engineering solutions.

Our strong commitment towards Quality backed by Latest Technology made us sign various technical collaborations with world leaders like EAE, RIELLO AROS, GFS, TESAR, DANFOSS & VIBRO ACOUSTICS and our products and services are approved by the major Engineering Consultants and Clients.

‘Growth is life’ being our motto, we approach challenging complex Engineering problems and offer simplified user-friendly technology solutions, thereby creating a rewarding and learning experience.

Thus, we, Prime Star remain your trusted technology solution partner at all times.
VARIABLE FREQUENCY DRIVES

DANFOSS, EUROPE

Variable frequency drives are used to control the speed of conventional motors (Induction Motor) precisely, for various applications. Danfoss is the leading manufacturer of these products in the world for more than 40 years. They have a deep understanding of drive technologies and applications leading to innovative solutions based on customer needs. They are available in a wide range, catering to various segments of operations.

APPLICATION:
- HVAC sector for controlling speed of AHU, FCU Motors, chilled water pumps, Water and waste water management.

CENTRAL BATTERY EMERGENCY LIGHTING & POWER SOLUTIONS

GFS, GERMANY

GFS mbH Germany, a European renowned original equipment manufacturer for Emergency Lighting & Power Systems have 3 decades of long experience in R&D, engineering, designing, manufacturing and implementation and offers wide range of solutions as follows:
- DZB-1SA AC/AC Emergency lighting – UL listed
- NZB AC/DC Emergency Lighting – EN certified
- SZB AC/DC Emergency Lighting – EN certified
- Central Inverter Power Supply – EN certified
- DC Charger & Power Supply – EN certified
- OPS – Hospital Power Supply – EN certified
- GFS produces most innovative, ground breaking technology of 20th century state-of-art electronics, modular, plug-in, hot swappable, draw-out encapsulated emergency power supply equipment at their ISO 9001 & ISO 14001 certified in-house manufacturing facilities in Germany/Europe.

BUS BAR SYSTEM

EAE, TURKEY

EAE E-Line Busbar energy distribution systems respond to all kinds of power requirements with their modular configuration during both installation and operation in modern enterprises and buildings. Layout alterations, machinery additions, energy provision at various points can be provided without failure in operational parts of the installation.

The energy distributed via isolated bars within a sheet metal enclosure can be safely provided by special outlets units at desired points without energy cut-down. E-Line Busbars with international test certificates have the following features: expandability on request, replacement, mobility and re-use. Provision of energy from standard outlets along busbar route via tapping boxes is very easy, economical and safe.

APPLICATION:
- Power distribution in multi storey residential and commercial buildings, shopping malls, Airports, Hotel, multiplexes, office buildings & industrial plants.

UNINTERRUPTED POWER SUPPLIER (UPS)

RIELLO AROS, ITALY

Our principal, Riello Aros, is the leading manufacturer in the field of uninterrupted power supply system with an expertise of more than 50 years. They are strong in Research & Development. This helps them to produce new solutions anticipating the customer needs. Their wide range of UPS systems cater to requirements starting from 350VA till 6400 kVA across single phase, three single phase and three/three phase configurations.

APPLICATION:
- Industrial applications, electro medical equipment, emergency devices, telecommunications, data centres etc.

TRANSFORMER TESAR

ITALY

TESAR, part of Sarel Group was the first to adopt in Italy the technology of casting distribution transformers.

We contribute to the production, transmission, distribution and energy conversion in any kind of duty, climatic and environmental conditions. We manufacture Cast resin transformers up to 20MVA and are suitable for every application in the field of power distribution, public lighting, transportation, commercial building & Industry.

An Industrial group with more than 30 years of experience, a broad technological skill and a big engagement to the service of our customers, with respect and safety of the environment.

APPLICATION:
- Airport, Star Hotels, Shopping Malls, University Complex, Schools, Hospitals, Railway/Metro, Tunnel, High Rise buildings, Power Stations, Museums, Theatres, Sports Stadiums, Campus, etc...

ELECTRICAL

GFS E-Line Busbar energy distribution systems respond to all kinds of power requirements with their modular configuration during both installation and operation in modern enterprises and buildings. Layout alterations, machinery additions, energy provision at various points can be provided without failure in operational parts of the installation.

The energy distributed via isolated bars within a sheet metal enclosure can be safely provided by special outlets units at desired points without energy cut-down. E-Line Busbars with international test certificates have the following features: expandability on request, replacement, mobility and re-use. Provision of energy from standard outlets along busbar route via tapping boxes is very easy, economical and safe.

APPLICATION:
- Power distribution in multi storey residential and commercial buildings, shopping malls, Airports, Hotel, multiplexes, office buildings & industrial plants.

UNINTERRUPTED POWER SUPPLIER (UPS)

RIELLO AROS, ITALY

Our principal, Riello Aros, is the leading manufacturer in the field of uninterrupted power supply system with an expertise of more than 50 years. They are strong in Research & Development. This helps them to produce new solutions anticipating the customer needs. Their wide range of UPS systems cater to requirements starting from 350VA till 6400 kVA across single phase, three single phase and three/three phase configurations.

APPLICATION:
- Industrial applications, electro medical equipment, emergency devices, telecommunications, data centres etc.

TRANSFORMER TESAR

ITALY

TESAR, part of Sarel Group was the first to adopt in Italy the technology of casting distribution transformers.

We contribute to the production, transmission, distribution and energy conversion in any kind of duty, climatic and environmental conditions. We manufacture Cast resin transformers up to 20MVA and are suitable for every application in the field of power distribution, public lighting, transportation, commercial building & Industry.

An Industrial group with more than 30 years of experience, a broad technological skill and a big engagement to the service of our customers, with respect and safety of the environment.

APPLICATION:
- Airport, Star Hotels, Shopping Malls, University Complex, Schools, Hospitals, Railway/Metro, Tunnel, High Rise buildings, Power Stations, Museums, Theatres, Sports Stadiums, Campus, etc...

ELECTRICAL

GFS E-Line Busbar energy distribution systems respond to all kinds of power requirements with their modular configuration during both installation and operation in modern enterprises and buildings. Layout alterations, machinery additions, energy provision at various points can be provided without failure in operational parts of the installation.

The energy distributed via isolated bars within a sheet metal enclosure can be safely provided by special outlets units at desired points without energy cut-down. E-Line Busbars with international test certificates have the following features: expandability on request, replacement, mobility and re-use. Provision of energy from standard outlets along busbar route via tapping boxes is very easy, economical and safe.

APPLICATION:
- Power distribution in multi storey residential and commercial buildings, shopping malls, Airports, Hotel, multiplexes, office buildings & industrial plants.

UNINTERRUPTED POWER SUPPLIER (UPS)

RIELLO AROS, ITALY

Our principal, Riello Aros, is the leading manufacturer in the field of uninterrupted power supply system with an expertise of more than 50 years. They are strong in Research & Development. This helps them to produce new solutions anticipating the customer needs. Their wide range of UPS systems cater to requirements starting from 350VA till 6400 kVA across single phase, three single phase and three/three phase configurations.

APPLICATION:
- Industrial applications, electro medical equipment, emergency devices, telecommunications, data centres etc.

TRANSFORMER TESAR

ITALY

TESAR, part of Sarel Group was the first to adopt in Italy the technology of casting distribution transformers.

We contribute to the production, transmission, distribution and energy conversion in any kind of duty, climatic and environmental conditions. We manufacture Cast resin transformers up to 20MVA and are suitable for every application in the field of power distribution, public lighting, transportation, commercial building & Industry.

An Industrial group with more than 30 years of experience, a broad technological skill and a big engagement to the service of our customers, with respect and safety of the environment.

APPLICATION:
- Airport, Star Hotels, Shopping Malls, University Complex, Schools, Hospitals, Railway/Metro, Tunnel, High Rise buildings, Power Stations, Museums, Theatres, Sports Stadiums, Campus, etc...

ELECTRICAL

GFS E-Line Busbar energy distribution systems respond to all kinds of power requirements with their modular configuration during both installation and operation in modern enterprises and buildings. Layout alterations, machinery additions, energy provision at various points can be provided without failure in operational parts of the installation.

The energy distributed via isolated bars within a sheet metal enclosure can be safely provided by special outlets units at desired points without energy cut-down. E-Line Busbars with international test certificates have the following features: expandability on request, replacement, mobility and re-use. Provision of energy from standard outlets along busbar route via tapping boxes is very easy, economical and safe.

APPLICATION:
- Power distribution in multi storey residential and commercial buildings, shopping malls, Airports, Hotel, multiplexes, office buildings & industrial plants.

UNINTERRUPTED POWER SUPPLIER (UPS)

RIELLO AROS, ITALY

Our principal, Riello Aros, is the leading manufacturer in the field of uninterrupted power supply system with an expertise of more than 50 years. They are strong in Research & Development. This helps them to produce new solutions anticipating the customer needs. Their wide range of UPS systems cater to requirements starting from 350VA till 6400 kVA across single phase, three single phase and three/three phase configurations.

APPLICATION:
- Industrial applications, electro medical equipment, emergency devices, telecommunications, data centres etc.

TRANSFORMER TESAR

ITALY

TESAR, part of Sarel Group was the first to adopt in Italy the technology of casting distribution transformers.

We contribute to the production, transmission, distribution and energy conversion in any kind of duty, climatic and environmental conditions. We manufacture Cast resin transformers up to 20MVA and are suitable for every application in the field of power distribution, public lighting, transportation, commercial building & Industry.

An Industrial group with more than 30 years of experience, a broad technological skill and a big engagement to the service of our customers, with respect and safety of the environment.

APPLICATION:
- Airport, Star Hotels, Shopping Malls, University Complex, Schools, Hospitals, Railway/Metro, Tunnel, High Rise buildings, Power Stations, Museums, Theatres, Sports Stadiums, Campus, etc...

ELECTRICAL

GFS E-Line Busbar energy distribution systems respond to all kinds of power requirements with their modular configuration during both installation and operation in modern enterprises and buildings. Layout alterations, machinery additions, energy provision at various points can be provided without failure in operational parts of the installation.

The energy distributed via isolated bars within a sheet metal enclosure can be safely provided by special outlets units at desired points without energy cut-down. E-Line Busbars with international test certificates have the following features: expandability on request, replacement, mobility and re-use. Provision of energy from standard outlets along busbar route via tapping boxes is very easy, economical and safe.

APPLICATION:
- Power distribution in multi storey residential and commercial buildings, shopping malls, Airports, Hotel, multiplexes, office buildings & industrial plants.
Prime Star Technologies - Trading Division stands out amongst the distinctive and renowned suppliers of Electrical, Air conditioning and Plumbing products & represents some of reputed brands that are well known for their quality and their comprehensive range.

**ELECTRICAL PRODUCTS**

- HDG Conduit & Fittings
- EMT Conduit & Fittings
- Liquid Tight & Flexible Conduit & Fittings
- Cable Glands
- Cable Lugs
- Steel Enclosures
- Cable Tie

**AIR CONDITIONING PRODUCTS**

- Permatite® Duct Butyl Gasket
- ThermalCeramics® Fire Rated Gasket
- EUROBATEX® Rubber Tube/Sheet Insulation
- Foster™ Duct Adhesives
- FIXWELL® FSK Aluminium Foil Tape & Black Tape
- Thermaliser® Fire rated Mineral Wool Insulation
- THERMOSHIELD™ PE Foam Insulation
- ORIFLOW™ Duct Leakage Tester
- DUCTWELD™ Duct Welding Machine
- Aluminium Sheet
- Duct Sealant/Adhesives
- Ductmate Cleat/Cover/Flexible Connector
PLUMBING PRODUCTS

- Water Hammer Arrestor
- Malleable/Galvanized Threaded Pipe Fittings
- Grooved Pipe Fittings
- Copper Pipe Fittings
- Rubber Flexible Connectors
- Cleanout & Grating
- Float Valve
- Flexible Braided Hose
- Pipe Supports And Hangers
- Angle / Channel Bar
- Threaded Rods
- Hardware

KITCHEN & LAUNDRY

Established in 1998 and undertook iconic projects such as Armani Hotel in Burj Khalifa, Atlantis Hotel, Cleveland Clinic to name a few. We specialize in Industrial Kitchen & Laundry for Hotel, Hospital, Schools and Restaurant Kitchen. With our qualified and experts in Industrial Kitchen, we also undertake turnkey design and built Kitchen & Laundry Project.

With strong support from Kitchen equipment supplier present across the world, we have achieved many milestones during our growth path. In-house custom fabrication facility adds another feather in our success story.

Our Activities Includes:

- Meeting the exact requirement of customers / clients, and provide design and estimation according to their requirement for the Industrial Kitchen & Laundry Equipment.
- Installation, commissioning, testing and balancing of the Kitchen & Laundry equipment.
- Provide maintenance and after sales services.
Sound Attenuators are used in HVAC applications to reduce the noise passage through the ducts that is caused by the airflow from the Evaporating units. A careful study and analysis of the site conditions is made to design and customize the attenuators. They are manufactured in our own manufacturing setup and in compliance with the ISO 9001 standards. We are the licensee of Vibro-Acoustics, Canada for manufacturing and selling their products related to acoustics.

We also have division for Acoustics, which caters to products and services pertaining to the elimination of unwanted noise in various HVAC and other large scale applications.

**VIBRO-ACOUSTICS**

**ACOUSTIC PANELS**
These products are custom fabricated and are suitable for noise control in huge enclosed spaces like auditoriums, theaters etc. These panels stick to the ceiling wall and cladding help in acoustic absorption and echo control.

**ACOUSTIC ENCLOSURES**
These products are used to control the noise caused due to huge mechanical / electrical machines such as chillers, generators, etc.

**VIBRATION ISOLATORS**
These products are used to absorb the noise caused due to vibrations from different sources. Wide range includes floor-mounted, suspended type, spring or rubber pad type.

**SILENCERS**
More than 50 years of experience have taught Vibro-Acoustics even the best HVAC noise and vibration control products can do more harm than good when improperly applied. For that reason, Vibro-Acoustics focuses first and foremost on the proper application of our wide range of products. Rather than merely standing behind our products’ catalog ratings, we provide guarantees for the end result—the occupied space sound criteria.

We deliver these results by working closely with HVAC engineers at the design stage and through diligent project coordination with installing contractors and local sales representatives.

Vibro-Acoustics’ HVAC silencers are used in commercial, institutional and residential buildings to reduce mechanical equipment noise transmitted through the ducting system achieving desired sound criteria. Our silencers are also often used for un-ducted systems such as air cooled chillers, cooling towers and electrical generators to prevent environmental noise complaints. We offer all Vibro-Acoustics silencers in a variety of designs to meet specific project requirements. Performance varies with the design, and careful application of these silencers is critical to achieve design goals.

Vibro-Acoustics provides the application engineering services required to ensure all HVAC silencer designs will suit the type of facility and system configuration. Vibro-Acoustics HVAC silencers are available in the required size and configuration to fit the ducting system as designed without compromising performance, space, pressure drop or project cost.

Typical applications are silencing for air handling units, axial fans, inline centrifugal fans – any mechanical equipment that is or incorporates an air-moving device.

**FLOATING FLOOR**
Vibro-Acoustics’ Floating Floors reduce the need for massive building construction by providing sound transmission loss between two spaces—for example, between a mechanical room and the noise-sensitive area above or below it. Floating Floor systems with different types of molded neoprene, rubber mounts or springs create an air space between the building structural slab and the Floating Floor slab. This composite construction has a sound transmission loss equivalent to a much thicker and heavier concrete floor slab, significantly reducing the building support structure required and saving height. If heavy equipment has to be mounted on the floor, careful location and selection of mounts is critical to prevent cracking of the Floating Floor slab. Vibro-Acoustics can provide structural and seismic restraint design for our Floating Floors. Typical locations for installing Floating Floors & Ceilings are above or below chiller rooms, generator rooms, symphony halls, opera halls, theaters, recording studios, libraries, galleries, auditoriums, music rooms, gymnasiums, squash courts and on roofs between sensitive spaces and fly-by noise sources – any application that requires sound transmission to be reduced.

**SEISMIC STUDY AND SERVICES**
Prime Star Technologies with expertise from Vibro-Acoustics provides a full line of Extreme Event Engineering services. Our objective is to help consultants, contractors and owners achieve code compliance for seismic and wind activity.

We believe that through experienced advice and education, we can help our customers better understand their local building codes and the involved risks. We are committed to reducing the risks associated with restraint design and code compliance for all of our consultant and contractor customers.

Our Services includes:
- Anchorage Calculations
- Providing latest Building Code Expertise
- Providing Onsite Coordination
Prime Star Cold Store division has 30 years of experience in design, supply, installation and Commissioning of Industrial Cold store and Freezers.

**OUR CORE COMPETENCY**
- Small to Large cold stores
- Blast Freezers
- Spiral Freezers
- Plate Freezers
- Chilled Water Systems
- Brine systems
- Industrial Air Conditioning
- Concrete Cooling Systems
- Modified Atmosphere Solutions
- Ice Machines (Block, Flake, Ice)
- AMC Services

**DESIGN DEPARTMENT**
- Partners with best brands in the industry for each component
- No Dealership of any brand hence customer requirement and suitability is only criteria for equipment selection
- Providing equally qualified options for all components to suit delivery schedule or any other technical constraints

**EQUIPMENTS**
- Heat Load Calculation
- Selection of main equipments
- Design of valve stations
- Positioned as Customized Cooling Solution Providing Specialists
- Understanding the business model of customer to design the SOLUTION.
- Capable of designing multiple solutions

**PROCESS & INSTRUMENTATION**
- All design drawings prepared in-house
- Detailed equipment drawing – P&I deciphering all components with flow diagram and dimensions will be submitted after order placed
- Detailed Shop Drawings for each portion of the plant
- Site Coordination drawings with Main Contractor

**CUSTOMER DATABASE**
- Selection of main equipments
- Heat Load Calculation
- Design of valve stations
- Positioned as Customized Cooling Solution Providing Specialists
- Understanding the business model of customer to design the SOLUTION.
- Capable of designing multiple solutions

**TESTING & COMMISSIONING**

**COMMISSIONING MANAGEMENT:**
We, PRIME STAR, have a dedicated team for Third Party Commissioning Management, formed to specifically meet the increasing demand for the overall planning, supervision and witnessing of the integrated commissioning of all installed building services systems, including their associated plants and equipments. Our main objective is to manage the overall commissioning activities, to help ensure the project’s completion date is on time and on budget. This is achieved by having a good understanding of the client’s requirements and working closely with the design team right from the planning stages and making recommendations needed to meet the commissioning requirements. Programming of works is made to establish a critical path that will prioritize systems that are beneficial to early handover or partial completion (e.g. life protection systems). We work in tandem with the Project Management Team, keeping them informed on progress and any problems that may need attention.

We also work with our clients to achieve the LEED certification, which is gaining high prominence, by executing various prerequisite activities.

**TESTING, ADJUSTING & BALANCING SERVICES (TAB):**
We undertake Third Party Testing, Adjusting & Balancing activities of wide range of HVAC systems for various projects like Luxury Hotels, Shopping Malls, High rise Commercial & Residential towers, Public Utility Buildings, Theme Parks etc. We have a strong team comprising of highly skilled and experienced Engineers, Supervisors, foremen and Technicians to carry out various activities involving testing, adjusting & balancing efficiently and adhering to the project completion schedules. With customer satisfaction as the highest priority, we strive to be ahead in terms of upgrading the instrumentation with latest technology.

**OUR MAJOR TAB ACTIVITIES INCLUDE**
- Installation checks
- Pre-commissioning checks and initial settings
- Testing, Adjusting & balancing of the systems

We carry out TAB and Commissioning Management activities strictly adhering to CESE and ASHRAE Commissioning Codes and BSRA, SMACNA and NEBB commissioning guidelines, as per the client’s specification.

**SERVICES**
**MEP FIT-OUT SERVICES:**
To meet the increasing demand for Fit out Services, we have formed a strong team, capable of providing innovative solutions and efficient execution. We undertake Fit out jobs for all kinds of MEP equipments and ensure the utmost satisfaction of the client, adhering to the latest international standards.

**AFTER SALES SERVICES:**
We provide prompt after sales service for all our MEP products. We have dedicated teams to attend the service calls 24hrs round the clock. Apart from under warranty services, we also undertake comprehensive and non-comprehensive Maintenance contracts. We are equipped with a full-fledged Service Centre with latest tools & instruments and a separate storage space for spare parts.
SAUDI ARABIA

RIYADH
- RSR HOTEL & COMMERCIAL BUILDING
- RAS AL KHAIH
- BURJ RAFA‘AL KEMPINSKI HOTEL
- HIYAT HOTEL
- ADVANCED TECHNOLOGY
- ITCC - OR RIYADH
- AL BUSTAN UTILITY-III COMPLEX
- BATEL FACTORY
- KARD - PARCEL 1.09
- KARD - PARCEL 1.10
- KARD - PARCEL 2.07
- KARD - PARCEL 2.08
- KARD - PARCEL 2.11
- KARD - PARCEL 2.12
- KARD - PARCEL 3.13
- KARD ZONE 1 - PARCEL 1.14 & 1.15
- KARD ZONE 2 - PARCEL 2.07, 2.08, 2.11, 2.12, 2.13
- KARD ZONE 2 - PARCEL 2.05, 2.10
- KARD ZONE 4 - PARCEL 4.10, 4.11
- RIYADH SOCIAL CARE CENTER
- MINISTRY OF CIVIL SERVICE
- RIYADH RAILWAY PASSENGER STATION
- DURRAY AR-RIYADH HOTEL
- MURRAT ACCOMMODATION
- JIZAN AIRPORT
- AL JANDOOR WATER FACTORY
- ARMED FORCE HOSPITAL
- NATIONAL PETROLEUM FOR SULPHUR PROJECTS

JEDDAH
- MOBYL BUILDING
- AIRPORT HOTEL
- ASSILA TOWER
- JAMHARA TOWER
- HILTON HOTEL
- QASR AL SHARK
- BAGDOU PRECAST FACTORY
- BAYLAUGH KAEC
- JAM RIZ FACTORY
- JARIR ONER UTILITIY BUILDING PHASE 1

MADINAH
- GRANITE FACTORY
- PLOT 151
- PLOT 3030
- PLOT 3028
- PLOT 3008
- PLOT 3107
- TAIBA ARAMAS
- PLOT 4024
- PLOT 4025
- PLOT 4023 - 4013

DAMMAM
- GARDNER FACTORY
- FLOWSERVE FACTORY
- CLEVELAND BRIDGE STEEL FACTORY
- SUPCHEN
- MACAH ELFIN FITTINGS FACTORY
- AL MAALAM WATER TANK

MAKKAH
- MERIDIAN HOTEL
- SHERATON HOTEL
- SECURITY FORCED HOSPITAL
- AL BAQAMI TOWER
- TAYSEER TOWER
- HIDAYAH TOWER
- MINISTRY OF HEALTH TOWER

PROJECT REFERENCES

MAJOR PROJECTS

- HIYAT HOTEL, RIYADH
- JAHARA TOWER
- BURJ RAFA‘AL, RIYADH
- HIDAYAH TOWER, MAKKAH
- TAYSEER TOWER, MAKKAH
- ASSILA TOWER
- AL MAALAM WATER TANK, AL RHOSHAR
- KING ABDULLAH FINANCIAL DISTRICT, RIYADH
- TAIBA ARAMAS, MADINAH
- RSR HOTEL & COMMERCIAL BUILDING
Prime Star Technologies can accept no responsibility for possible errors in catalogues, brochures and other printed material. Prime Star Technologies reserves the right to alter its products without notice. All trade marks in this material are property of the respective companies.