

General Cool

Engineering & Services

Cooling, power and building systems, from one team

HVAC design, supply, installation and maintenance, plus electrical, solar, generators, CCTV and IT.

One call, all solutions

Karachi, Pakistan | Muscat, Oman

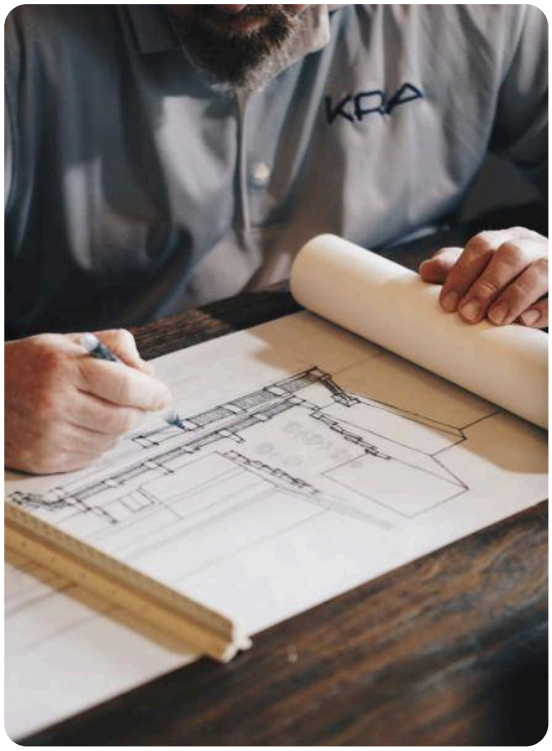
Who we are

General Cool Engineering & Services is an HVAC and engineering company. We look after the full life of a cooling system: choosing it, bringing it in, installing it, and keeping it running for years.

We serve commercial, industrial, institutional and residential clients from our head office in Karachi and our regional office in Muscat.

We are **brand-neutral**. We don't push one manufacturer; we compare options on energy use, running cost, ease of maintenance and long-term reliability, then recommend what is right for your building.

Beyond HVAC, the same team handles electrical panels, generators, solar, CCTV, IT and industrial supply. One call really does cover it.



Full lifecycle

Advice, supply, installation, testing, maintenance and spare parts.

Brand-neutral

Independent advice focused on efficiency, cost and reliability.

Two countries

Offices in Karachi, Pakistan and Muscat, Oman.

Our mission

To give clients reliable, high-performance HVAC and engineering solutions through direct engagement, global import capability, independent technical guidance and dependable after-sales maintenance.

Our values

- Trust & integrity
- Technical precision
- Customer satisfaction
- Lifecycle value

Our services at a glance

Everything we do on one page. The following pages explain each service in more detail.



Air conditioning design & installation

We work out how much cooling your building needs, recommend the right system, then supply and install it.



VRF / VRV multi-zone systems

One set of outdoor units cools many rooms, and each room keeps its own temperature. It is our specialist area.



Chillers & central plant

Large machines that chill water to cool a whole tower or factory. We install, repair and troubleshoot them.



Maintenance, repair & spare parts

Regular servicing keeps your system running and your bills down. When something breaks, we find the fault fast.



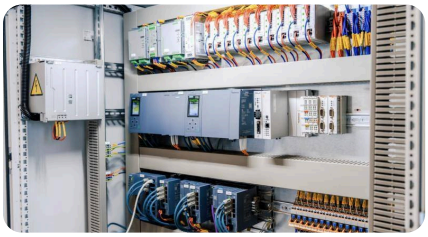
Cold rooms & cold stores

Walk-in freezers and chilled rooms that keep food, medicine and produce at the right temperature.



Cooling coil & condenser manufacturing

We build copper cooling coils and condensers to size, so a worn-out coil can be replaced without replacing the whole unit.



Electrical panels & control

Safe, tidy wiring and control panels that run your equipment.



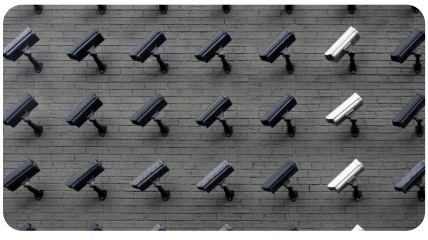
Generator repair & installation

Backup power that starts when the grid doesn't.



Solar power systems

Panels and inverters that cut your electricity bill.



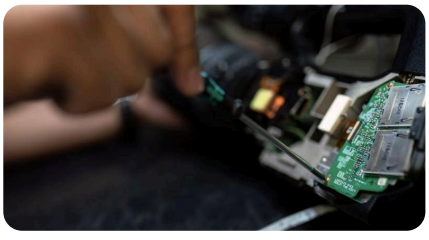
CCTV & security cameras

Cameras and recording so you can watch your site from anywhere.



IT & networking

Computers, server racks and office networks that just work.



Circuit board repair

We repair control boards instead of you buying new ones.

Air conditioning & VRF

Heating, ventilation and air conditioning (HVAC) for every size of building, from a single villa to a hospital.



Air conditioning design & installation

We work out how much cooling your building needs, recommend the right system, then supply and install it.

- Cooling load calculations for each room and floor
- Air handling units (AHU), fan coil units (FCU) and fresh-air units
- Packaged rooftop units, ducted splits and cabinet coolers
- Ductwork layout, piping and air balancing
- Testing, start-up and handover with training

Good for: Offices, hotels, hospitals, malls, schools and homes



VRF / VRV multi-zone systems

One set of outdoor units cools many rooms, and each room keeps its own temperature. It is our specialist area.

- System sizing and refrigerant pipe layout
- Equipment sourcing from leading manufacturers
- Site installation and supervision
- Commissioning and ongoing diagnostic maintenance

Good for: Multi-storey offices, luxury homes and retail chains

VRF is our specialist area

We provide end-to-end VRF/VRV support: system sizing, refrigerant pipe layout, equipment sourcing, site installation oversight, commissioning and ongoing diagnostic maintenance.





Chillers, cold rooms & aftercare

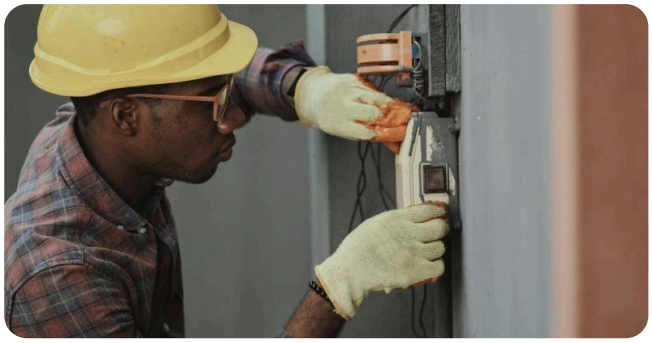


Chillers & central plant

Large machines that chill water to cool a whole tower or factory. We install, repair and troubleshoot them.

- Air-cooled and water-cooled chillers
- Screw and centrifugal units
- Cooling towers and heat exchangers
- Chiller repair, troubleshooting and compressor overhauls

Good for: Commercial towers, industrial plants, hospitals and shopping malls



Maintenance, repair & spare parts

Regular servicing keeps your system running and your bills down. When something breaks, we find the fault fast.

- Scheduled inspections, coil cleaning and filter changes
- Fault finding, leak detection and electrical repairs
- Compressor overhauls
- Genuine OEM spare parts: compressors, valves and controls
- Service agreements tailored to your site

Good for: Any building that can't afford downtime



Cold rooms & cold stores

Walk-in freezers and chilled rooms that keep food, medicine and produce at the right temperature.

- Cold store design, build and installation
- Walk-in freezers and chillers with racking
- Temperature control and monitoring
- Repair and maintenance of existing cold rooms

Good for: Food businesses, pharmaceuticals, cold-chain logistics and supermarkets



Cooling coil & condenser manufacturing

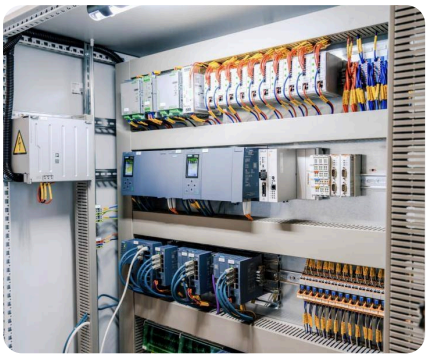
We build copper cooling coils and condensers to size, so a worn-out coil can be replaced without replacing the whole unit.

- Custom copper coils and condensers
- Replacement coils for existing equipment
- Copper tubes, Class 0 rubber insulation, flanges and fittings

Good for: Facilities with older or specialised equipment

Power, security & IT

One call covers the rest of your building too, so you don't need five different contractors.



Electrical panels & control

Safe, tidy wiring and control panels that run your equipment.

- Circuit breaker and distribution panels
- Control boards with meters
- HVAC control panel integration



Generator repair & installation

Backup power that starts when the grid doesn't.

- Generator supply and installation
- Engine checks and repair
- Changeover and load testing



Solar power systems

Panels and inverters that cut your electricity bill.

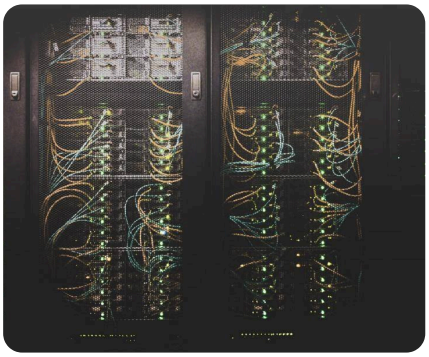
- Rooftop and ground-mounted solar
- Inverter and battery setup
- Cleaning and performance checks



CCTV & security cameras

Cameras and recording so you can watch your site from anywhere.

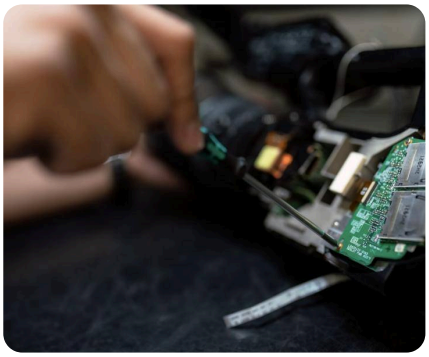
- Camera placement and installation
- Recorders and monitoring screens
- Remote viewing on your phone



IT & networking

Computers, server racks and office networks that just work.

- Network cabling and Wi-Fi
- Server racks and equipment
- Computer setup and support



Circuit board repair

We repair control boards instead of you buying new ones.

- PCB fault finding and soldering
- AC and inverter board repair
- Controller board replacement

Equipment & parts we supply

We specify, import, supply, install and service the full range below. Direct overseas sourcing means genuine quality and quicker availability.

HVAC equipment	What it includes	Typically used in
Central cooling	Air-cooled and water-cooled chillers; centrifugal and screw units	Towers, industrial plants, hospitals, malls
Airside systems	Air handling units (AHU), fan coil units (FCU), treated fresh-air units	Cleanrooms, hotels, corporate offices
Multi-zone VRF	Variable refrigerant flow (VRF/VRV) inverter systems	Luxury homes, multi-storey offices, retail chains
Packaged DX	Rooftop package units, ducted splits, cabinet coolers	Warehouses, supermarkets, factories, large halls
Ventilation & air quality	Industrial exhaust fans, jet fans, dehumidifiers, air curtains	Basement parking, commercial kitchens, humid spaces

Industrial supply	Product lines
Valves & pumps	Butterfly, gate, check and globe valves; industrial water and fire pumps
Instruments & controls	Pressure and temperature sensors, flowmeters (liquid and gas), level controllers
Heat transfer	Plate heat exchangers, shell & tube units, cooling towers
Compressor aftermarket	Spare parts and OEM filters for Atlas Copco, Ingersoll Rand, KaiShan and others
Piping & insulation	Copper tubes, Class 0 rubber insulation, flanges, industrial fittings





How we work

1 Advise

We visit, measure and calculate, then compare options such as chiller, VRF or DX, and recommend what suits your building and budget.

2 Supply

We source the equipment directly from overseas, so you get genuine products, fair prices and quick delivery.

3 Install

Our technicians install, wire and pipe everything, then test and start the system before handing it over.

4 Look after

Scheduled servicing, fast repairs and genuine spare parts for years after installation.

Why choose us

One team, start to finish

From the first site visit to maintenance years later, you deal with one accountable team.

Honest, brand-neutral advice

We don't push a brand. We recommend what is efficient, maintainable and right for your budget.

Direct imports

Our own overseas sourcing means genuine equipment and spare parts, competitive prices and less waiting.

Pakistan and Oman

Offices in Karachi and Muscat let us support clients locally and across the region.

Industries we serve

Commercial high-rises · **Corporate offices** · **Textile & garments** · **Pharmaceuticals** · **Banks & financial institutions** · **Schools & universities** · **Cold storage & logistics** · **Retail chains** · **Hospitals** · **Hotels** · **Homes & residences**



Get in touch

For project inquiries, site visits and service agreements, call or WhatsApp us. You can also send a photo of your equipment and an engineer will reply.

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