

# MOLTEN

[www.moltents.com](http://www.moltents.com)



**10<sup>+</sup>**  
**Years**  
Experience


A DECADE OF TRUSTED  
**TECHNICAL  
EXCELLENCE**

**MOLTEN TECHNICAL SERVICES LLC**

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 Al Quoz Industrial Area 03, Dubai, UAE

# INTERACTIVE MENU

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# INNOVATING COMFORT ENGINEERING TRUST



## ABOUT MOLTEN

**Founded in 2018**, MOLTEN Technical Services LLC has grown into one of the **UAE's most dependable names in the HVAC industry**. Headquartered in Dubai, we specialize in Heating, Ventilation, and Air Conditioning (HVAC) services, with a strong focus on testing, commissioning, and delivering energy-efficient solutions.

What began as a vision by a team of young, forward-thinking engineers has evolved into a brand known for its technical excellence, reliability, and customer-centric approach. With a commitment to raising industry standards, MOLTEN blends deep engineering knowledge with innovative practices to meet the unique needs of every project.

MOLTEN specializes in delivering top-tier HVAC solutions tailored to the unique needs of clients across the GCC and India. Their experienced team of engineers is dedicated to providing reliable, energy-efficient, and sustainable HVAC systems that exceed expectations.



## VISION & MISSION



### VISION

**To be the most trusted and innovative HVAC solutions provider in the Middle East** and beyond—delivering unmatched quality, energy efficiency, and engineering excellence that redefine comfort for every client, every time.

We envision a future where MOLTEN stands as a symbol of reliability, sustainability, and technical leadership—empowering businesses and communities through smart climate solutions and a relentless commitment to improvement.



### MISSION

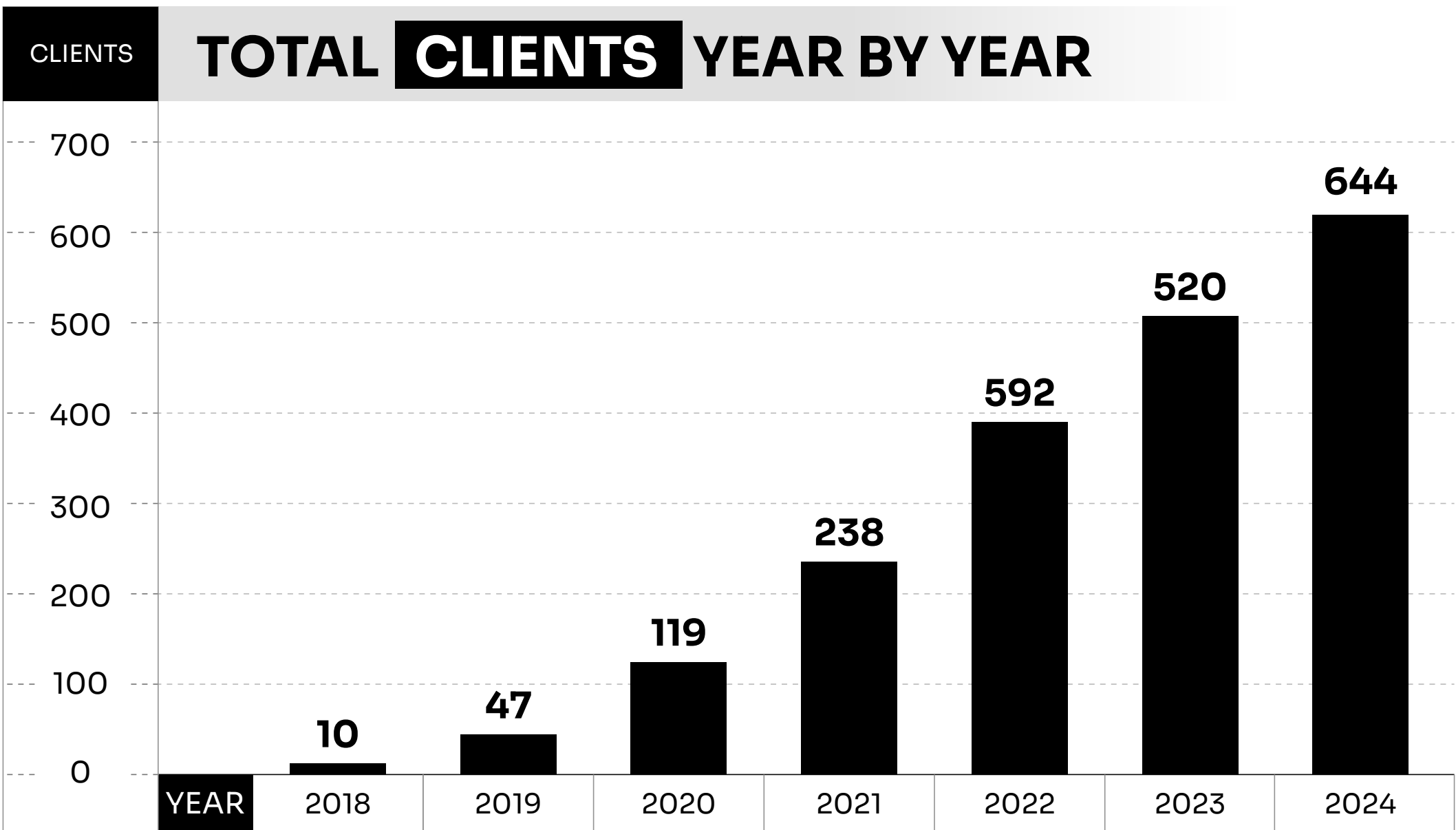
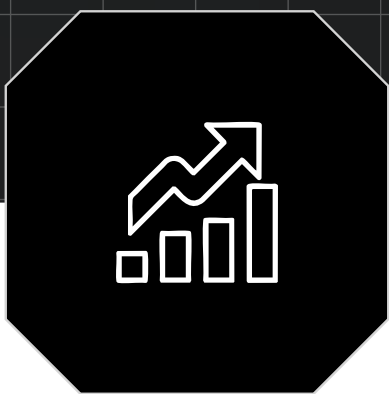
At MOLTEN Technical Services LLC, our mission is to deliver high-performance HVAC solutions that embody engineering precision, innovation, and sustainability. We are dedicated to providing energy-efficient, customized systems that ensure maximum comfort and operational excellence for every client.

Through a strong commitment to integrity, transparency, and exceptional service, we strive to build lasting relationships and earn the trust of our partners. By empowering our team with knowledge and a problem-solving mindset, and by embracing emerging technologies, we continuously evolve to offer future-ready climate solutions.

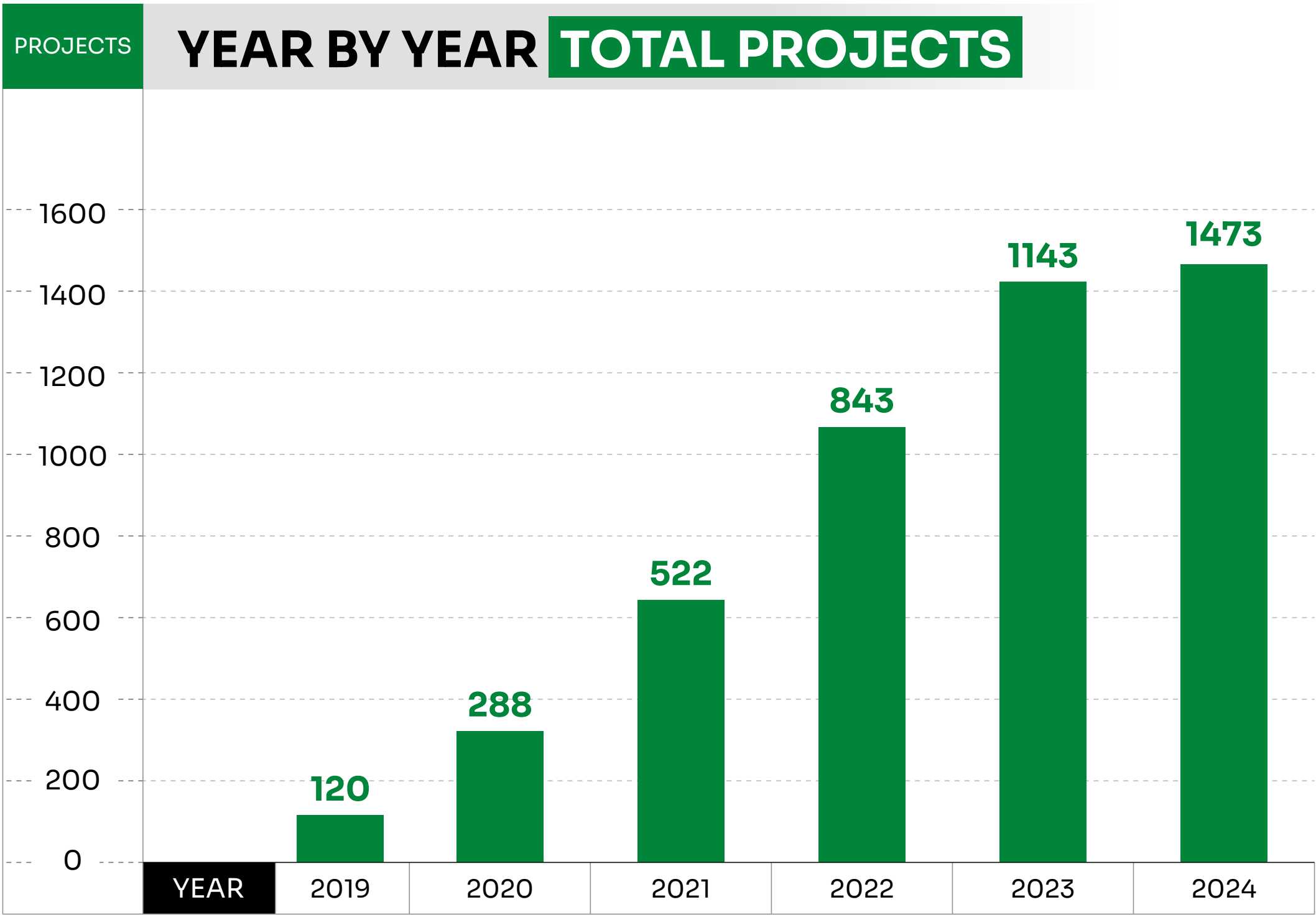
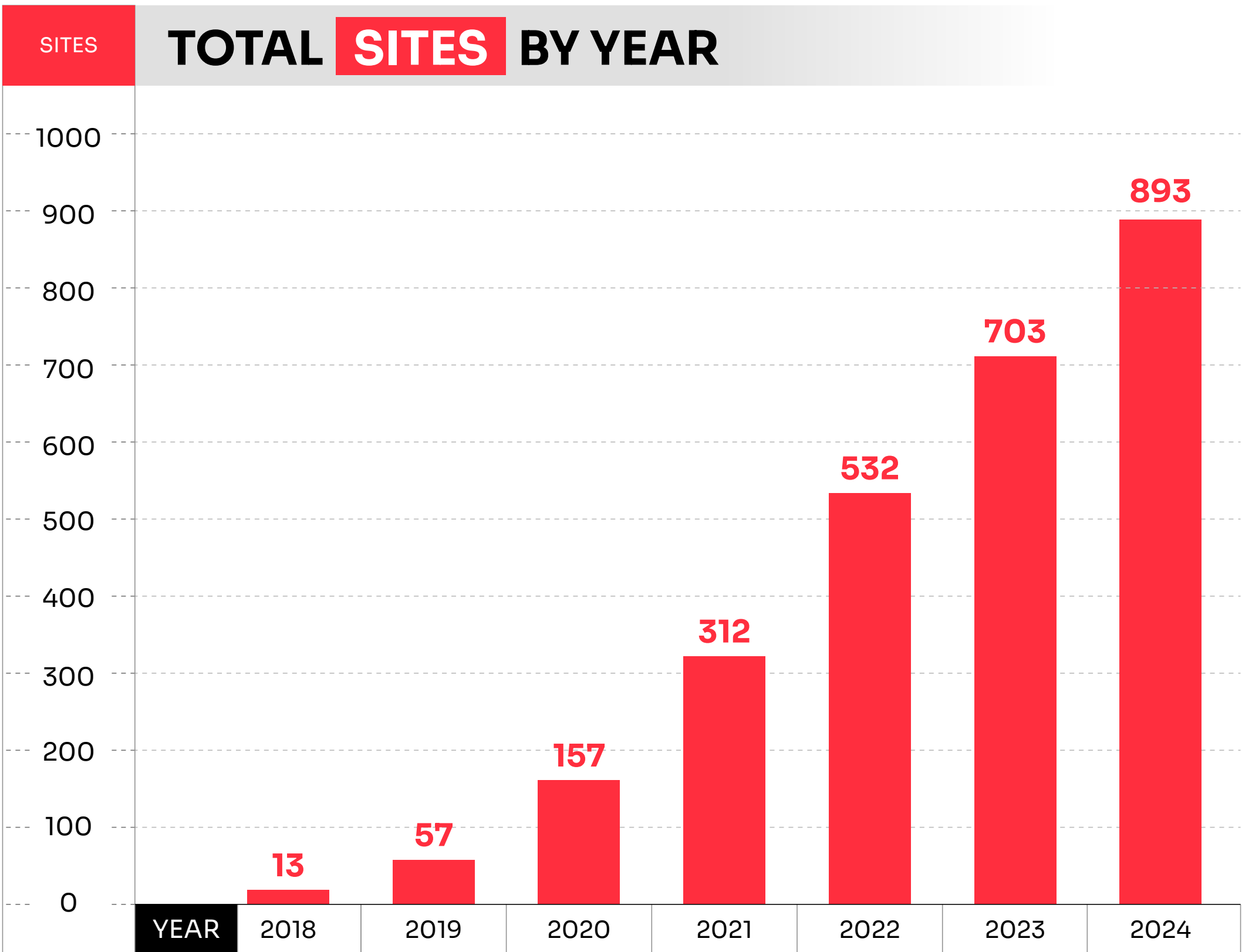
Our goal is to elevate industry standards and contribute meaningfully to a smarter, greener, and more comfortable world.



# OUR GROWTH



TOTAL CLIENTS YEAR BY YEAR



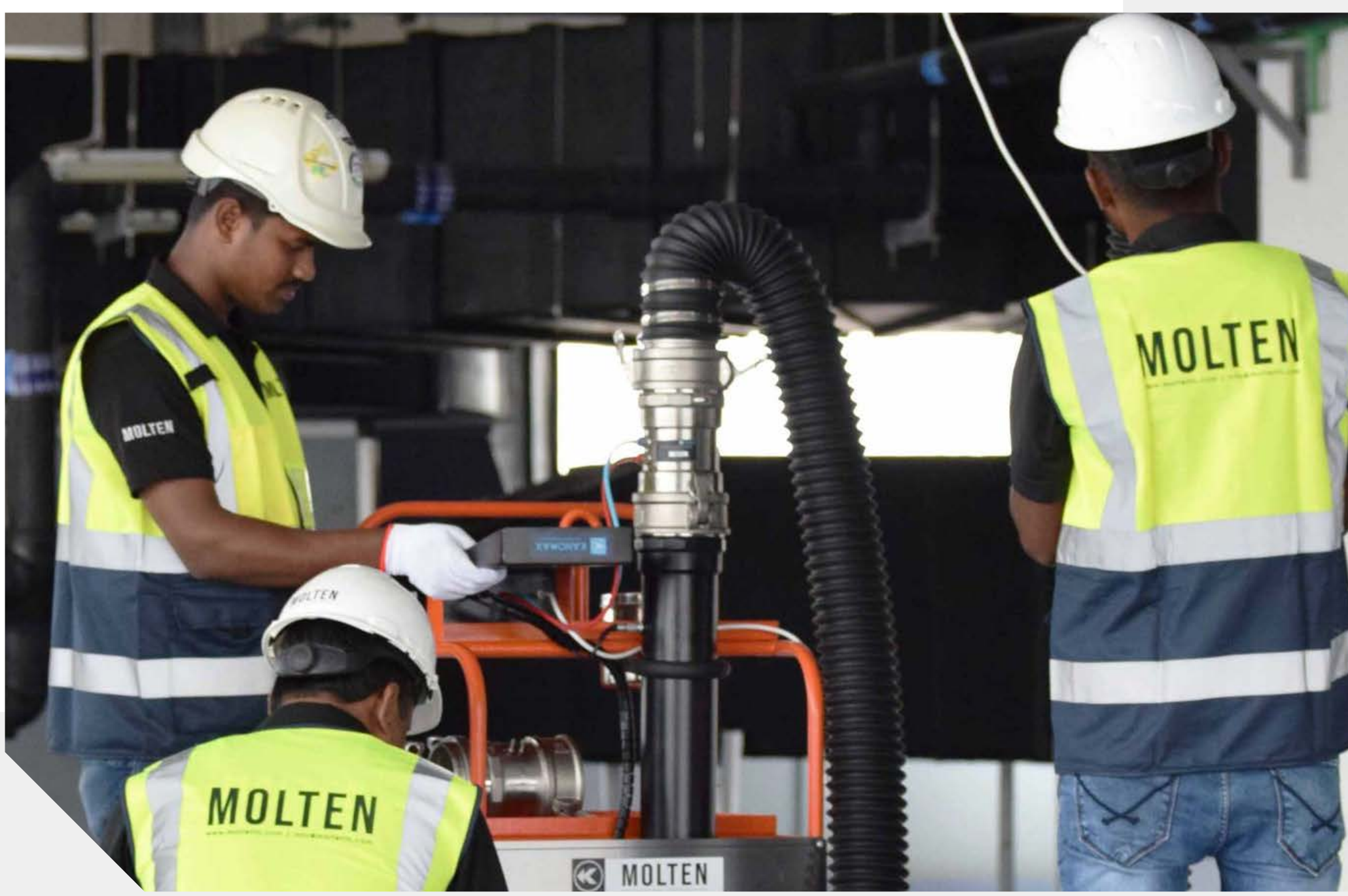


# SERVICES OFFERED

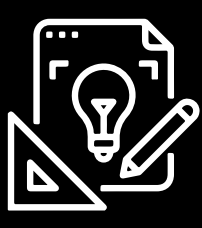
## INTERACTIVE MENU



### TESTING & COMMISSIONING



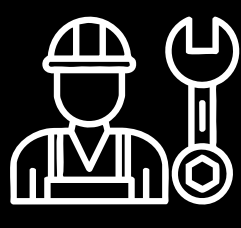
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### DESIGNING & CONSULTANCY



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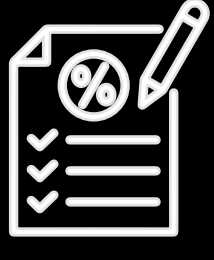


### MAINTENANCE & SERVICING



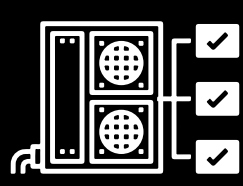
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## TESTING & COMMISSIONING

MOLTEN specializes in comprehensive third-party testing and commissioning services for HVAC systems. Understanding the critical role HVAC systems play in ensuring comfort, efficiency, and safety. MOLTEN aims to offer top-tier solutions adhering to international standards and certifications. Our Expertise Covers:



### HVAC SYSTEM TESTING & BALANCING

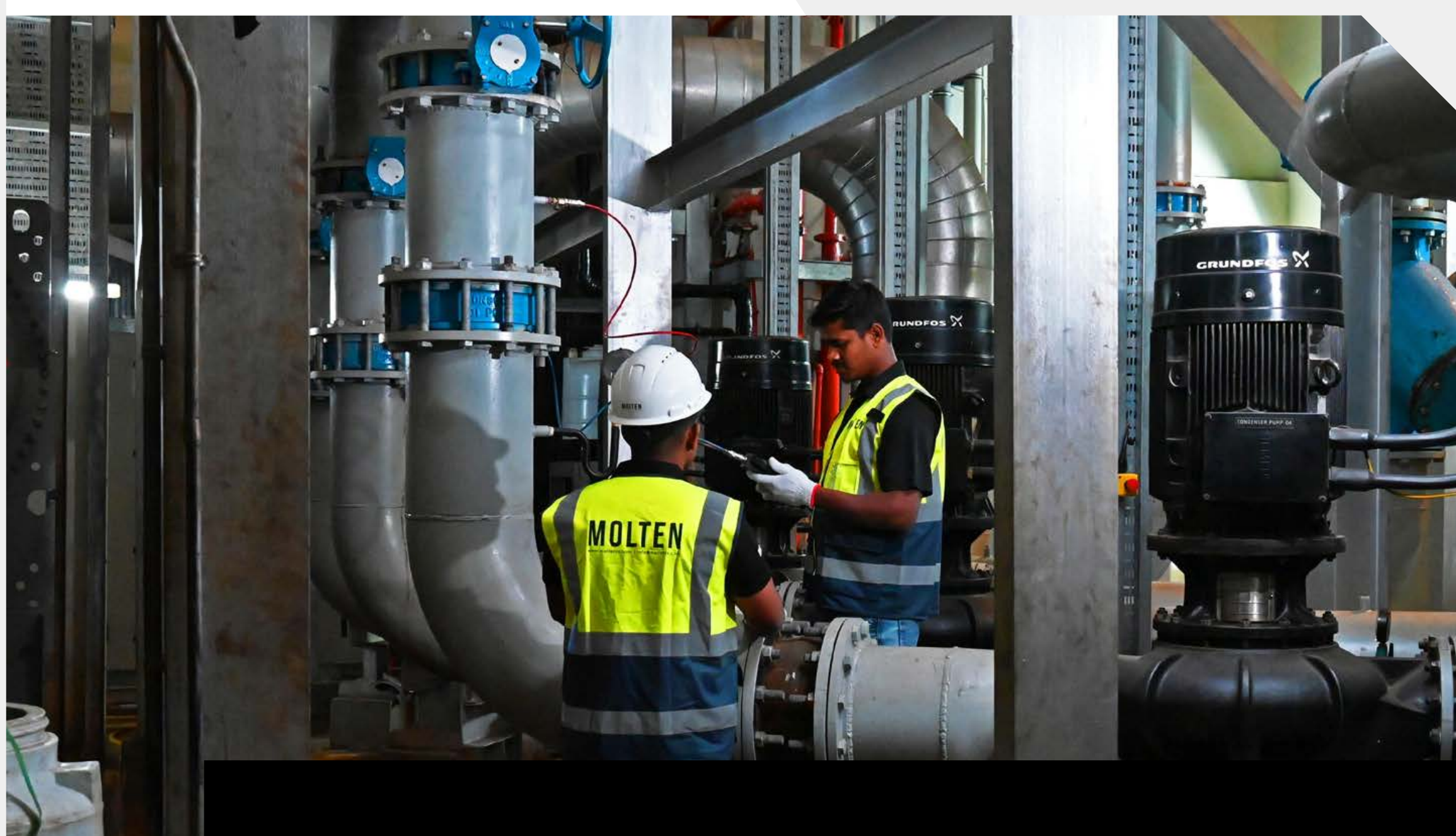
TESTING & COMMISSIONING

#### AIR BALANCING



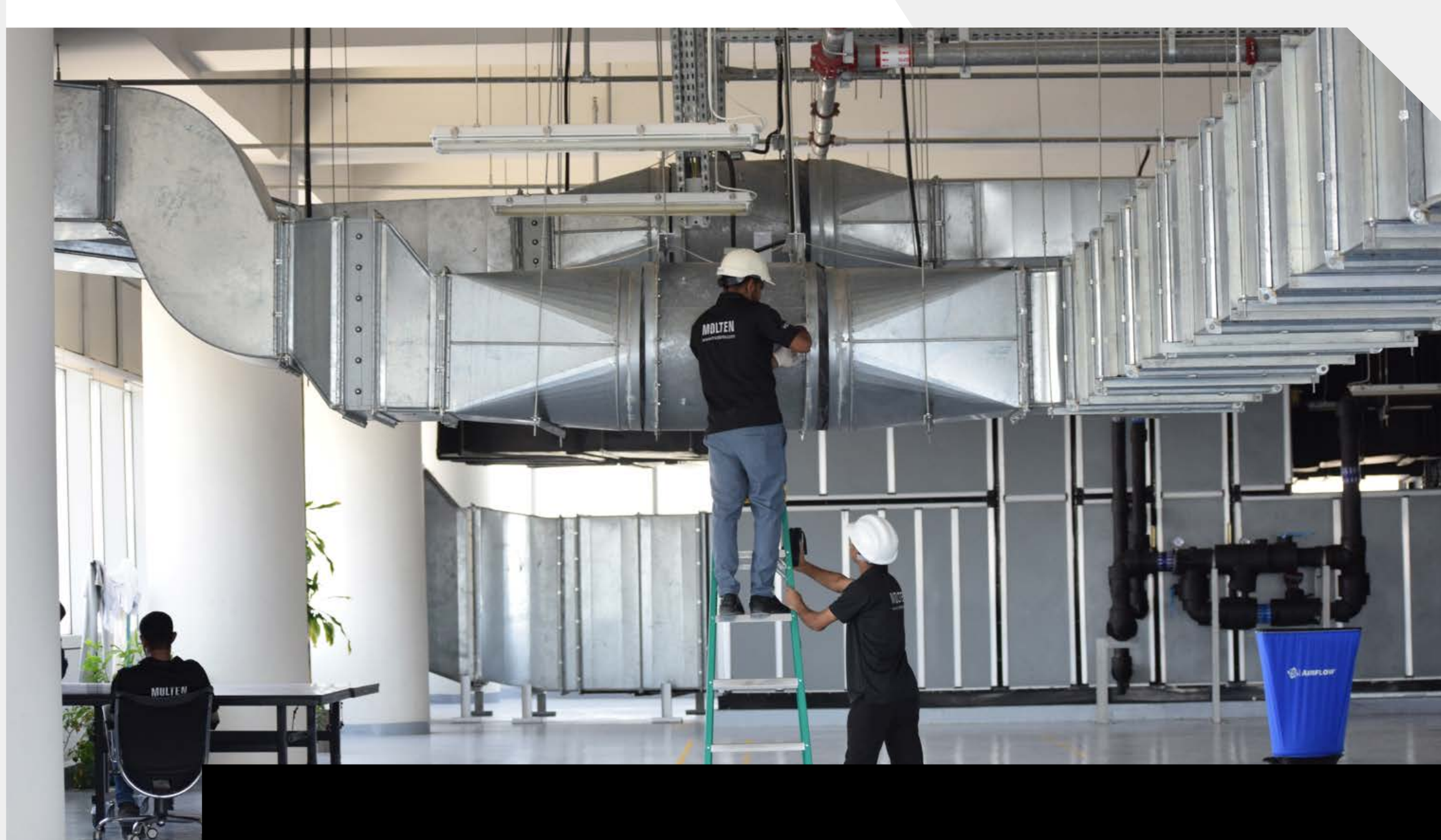
Verifying and adjusting **airflows within HVAC systems** to ensure proper distribution across ducts, vents, and spaces.

#### WATER BALANCING



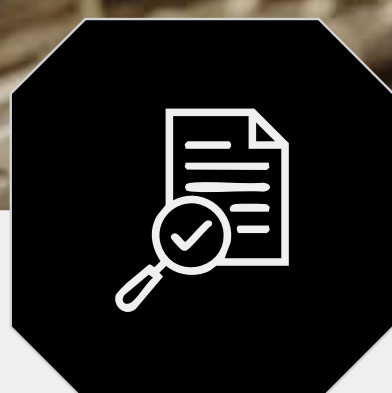
Adjusting chilled water and condenser water systems for optimal thermal performance.

#### ENVIRONMENTAL TESTS



At MOLTEN, we conduct comprehensive Environmental Testing to ensure that HVAC systems operate efficiently and safely under varying conditions. Our tests assess temperature, humidity, air quality, and noise levels to guarantee compliance with industry standards and enhance indoor environmental performance.





# BUILDING PERFORMANCE VALIDATION

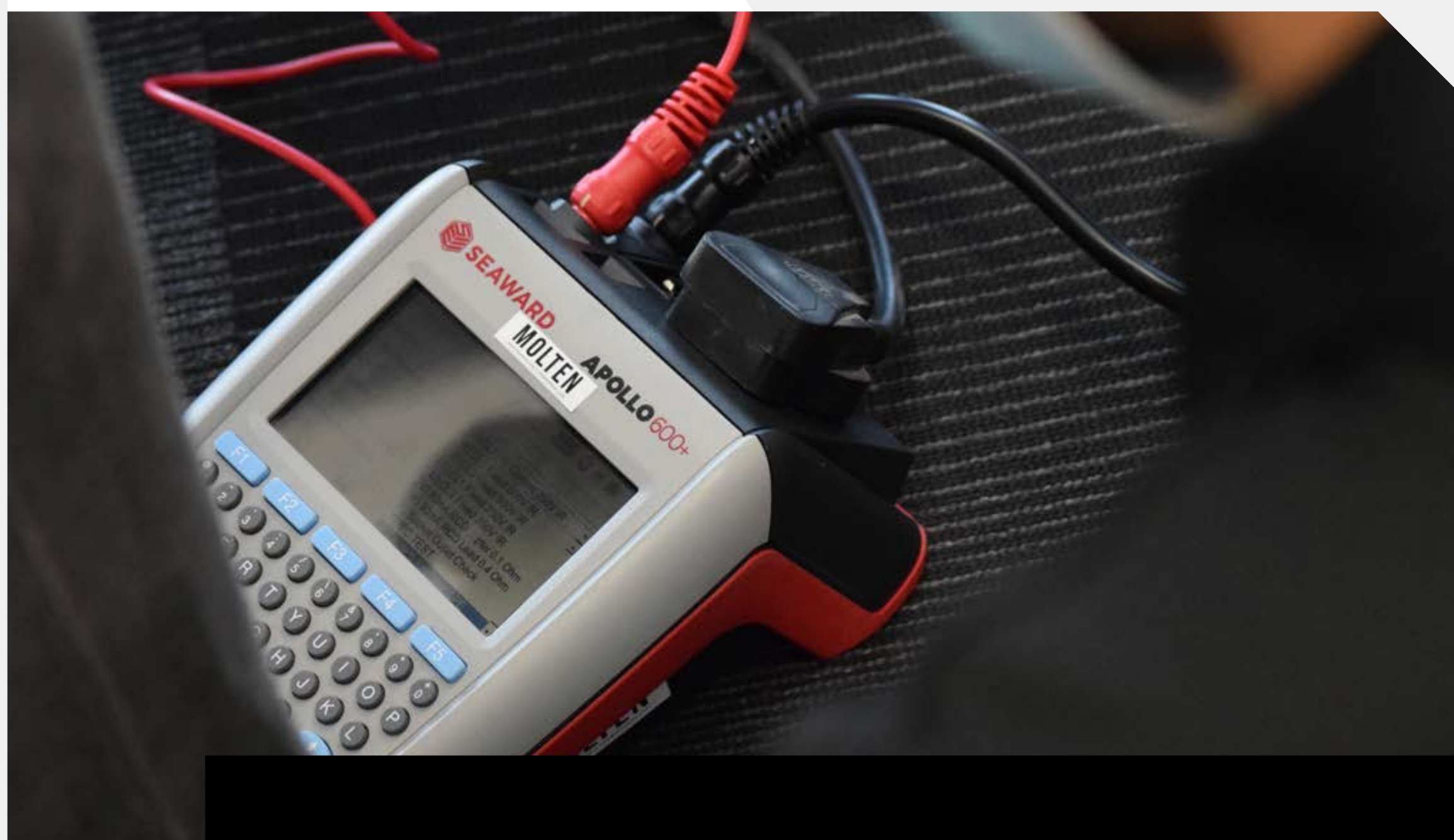
TESTING & COMMISSIONING

## PERFORMANCE & EFFICIENCY TESTING



The **Performance and Efficiency Testing process** is an essential service designed to evaluate how well your HVAC system is operating. This test measures the system's ability to provide consistent heating and cooling while using energy efficiently.

## ELECTRICAL TESTING



Including PAT, Megger insulation tests, cold tests, and live circuit verification, to ensure electrical systems are safe, compliant, and functioning at optimal performance





# COMMISSIONING & RETRO-COMMISSIONING

TESTING & COMMISSIONING

## PRE-COMMISSIONING & FUNCTIONAL PERFORMANCE TESTING



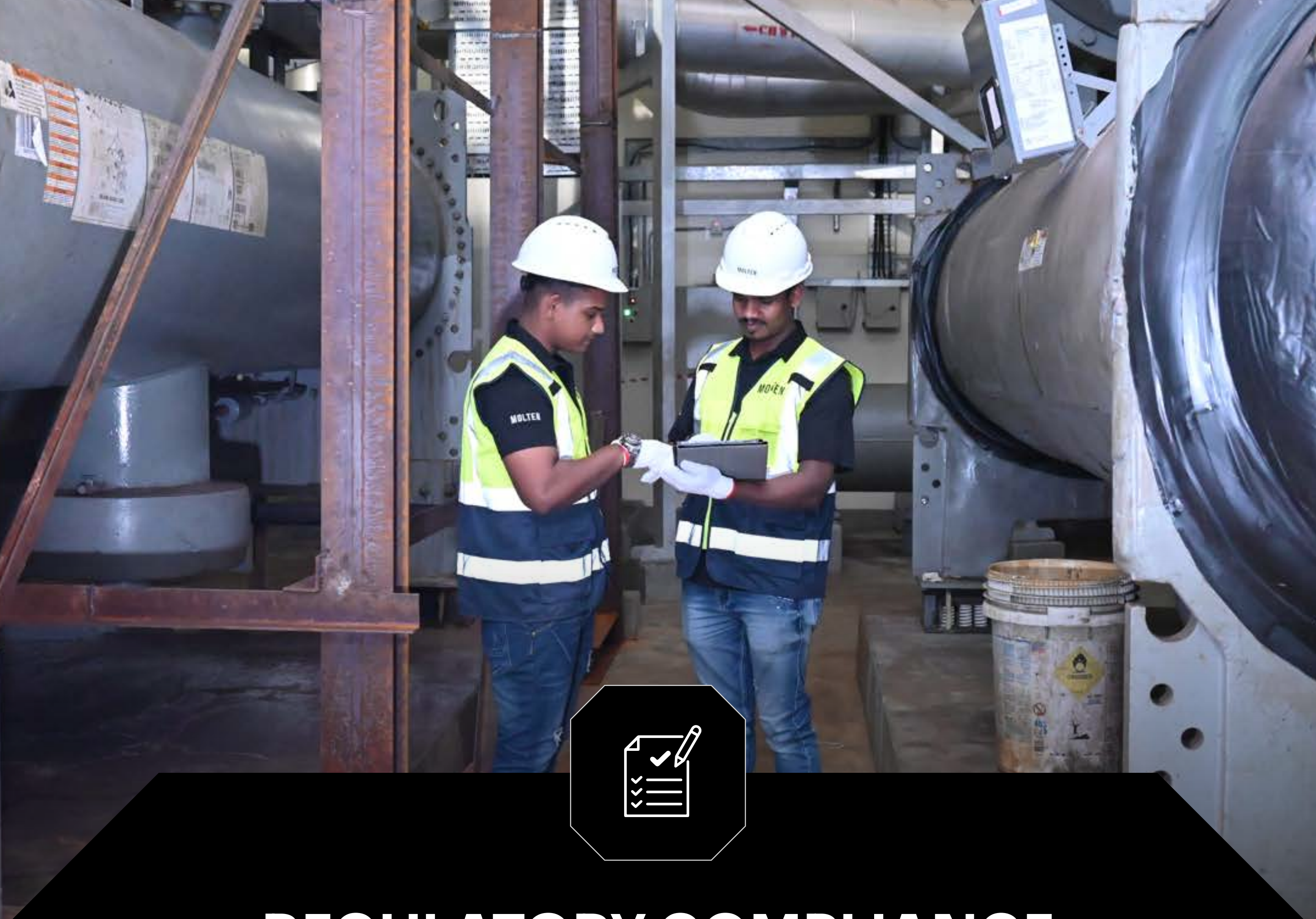
Verifying that HVAC systems perform according to design specifications before occupancy.

## RE-COMMISSIONING FOR EXISTING BUILDINGS



Enhancing efficiency and lifespan of older HVAC systems through recalibration and upgrades.





# REGULATORY COMPLIANCE & CERTIFICATIONS

TESTING & COMMISSIONING

MOLTEN ensures adherence to all UAE  
Regulatory Compliances. MOLTEN is also  
certified under CSA, BSRIA, ASHRAE, ISO 9001  
and ISO 14001 standards.

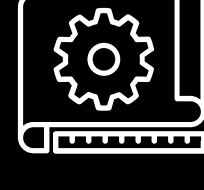






## DESIGNING & CONSULTANCY

The company provides comprehensive HVAC design and consultancy services tailored to meet the specific needs of projects. With a focus on innovative solutions, energy efficiency, and customer satisfaction, MOLTEN ensures HVAC systems are designed for optimal performance, reliability, and comfort.



## DESIGN & ENGINEERING

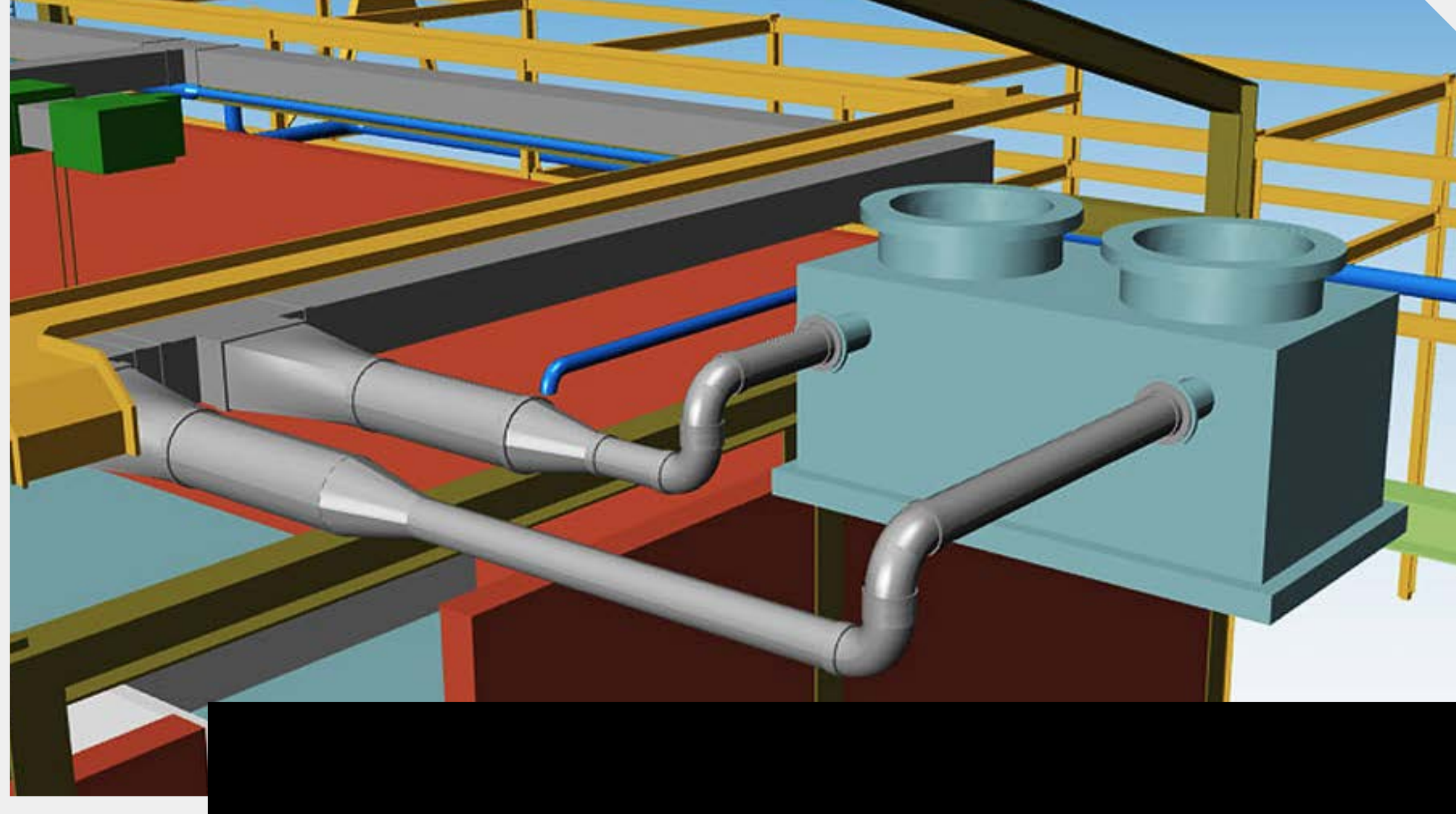
DESIGNING & CONSULTANCY

### LOAD CALCULATION & ENERGY MODELING



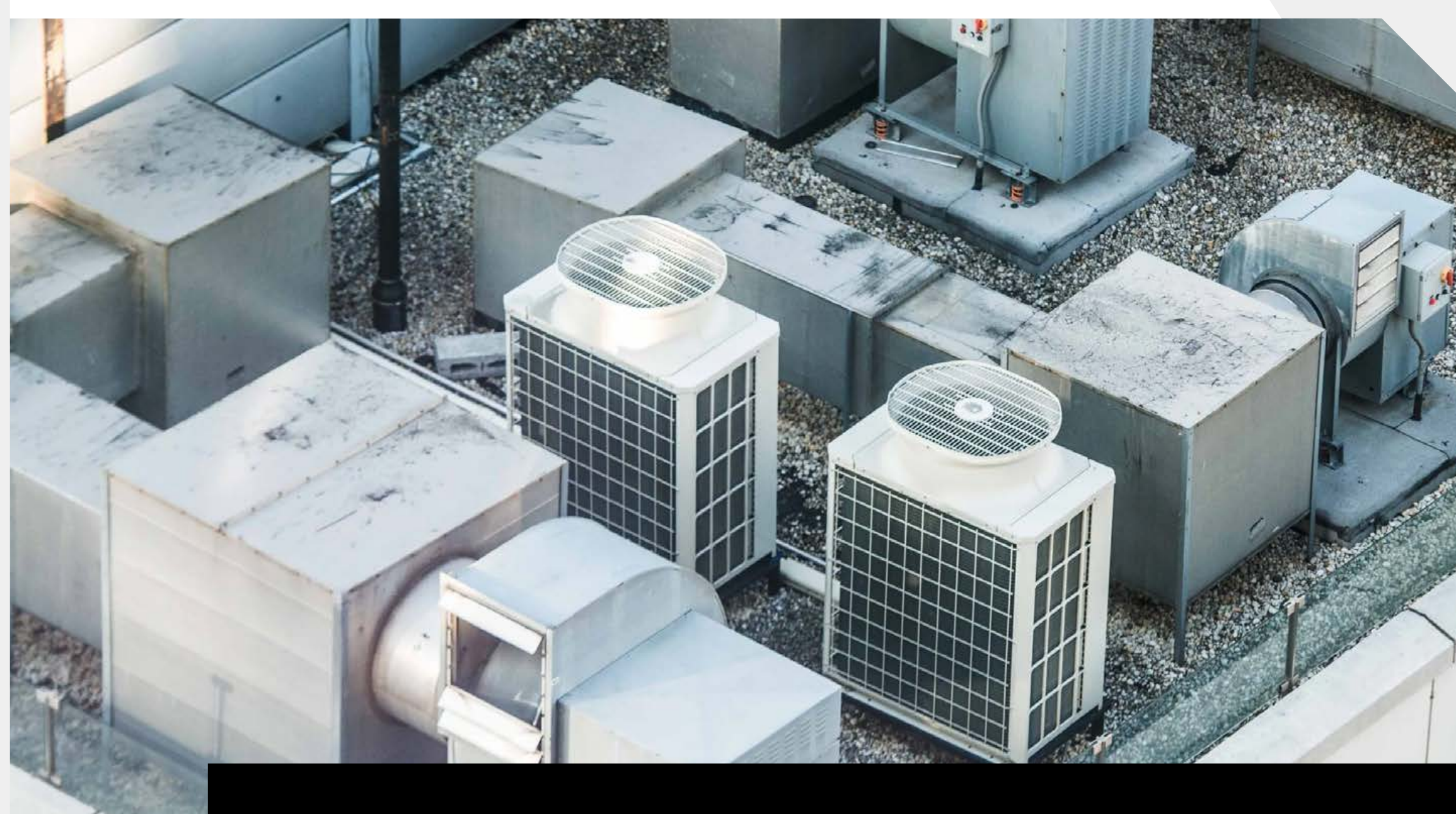
Using advanced software to optimize heating and cooling requirements for different climate conditions.

### DUCTWORK & PIPING LAYOUT DESIGN



Optimizing air and water distribution networks for minimal pressure loss and maximum efficiency.

### EQUIPMENT SELECTION & SPECIFICATION



Advising on the best chillers, VRF systems, AHUs, FCUs, and ventilation units based on project requirements.

### HVAC CONTRACTING



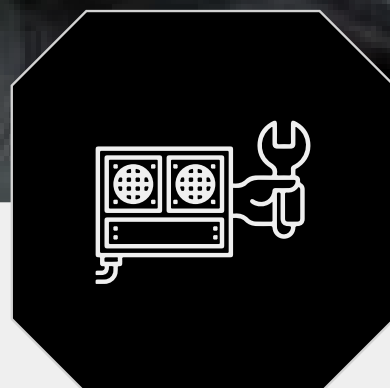
MOLTEN specializes in end-to-end HVAC contracting services, from design and installation to testing and commissioning. With a focus on precision and project-specific execution, we bring technical excellence and on-time delivery to every build.

### HUMIDITY CONTROL SOLUTIONS



We provide advanced Humidity Control Solutions specifically designed for laboratories and healthcare facilities, where strict humidity regulation is essential for safety, hygiene, and equipment protection.





## SPECIALIZED HVAC CONSULTANCY

DESIGNING & CONSULTANCY

### ✓ GREEN BUILDING & ENERGY EFFICIENCY CONSULTING

Assisting clients in meeting LEED, Estidama, and ASHRAE 90.1 standards for sustainability.

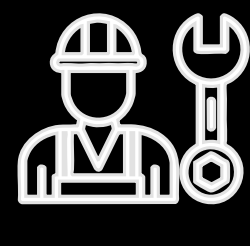


### ✓ SMART HVAC INTEGRATION

Implementing IoT-based HVAC control systems for automated temperature and humidity adjustments.

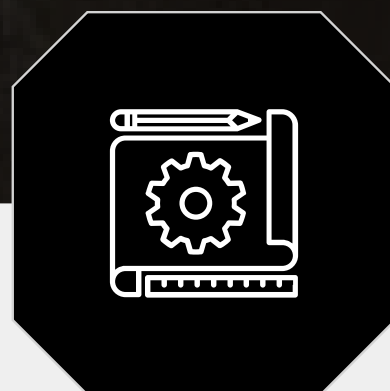






## MAINTENANCE & SERVICING

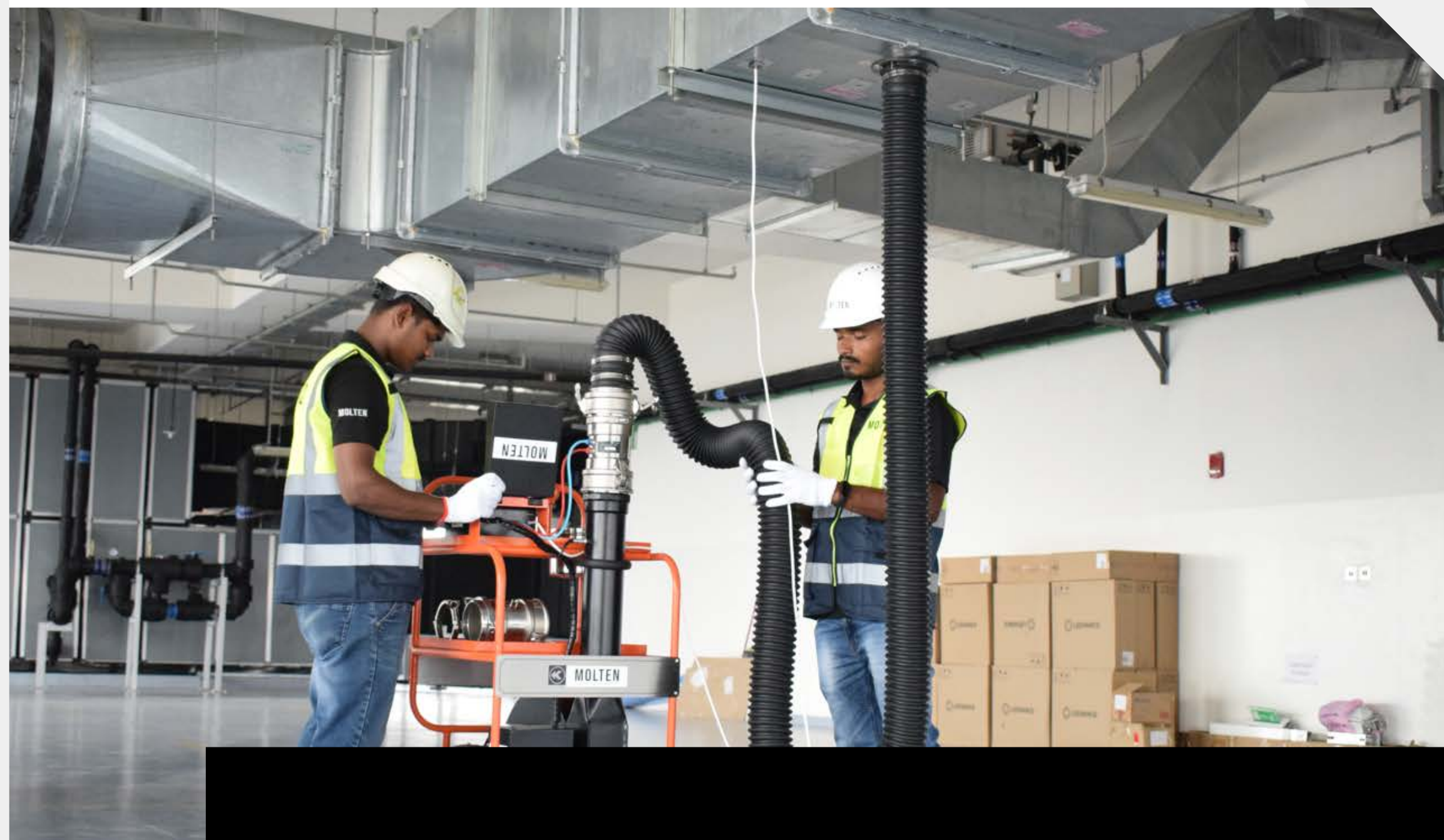
MOLTEN offers a full range of HVAC maintenance and servicing solutions to ensure systems operate at peak efficiency and reliability. Their skilled technicians provide proactive inspections and scheduled service visits, minimizing downtime and maximizing performance.



## PLANNED PREVENTIVE MAINTENANCE (PPM)

MAINTENANCE & SERVICING

### ROUTINE INSPECTIONS & DIAGNOSTICS



Identifying early signs of wear, leaks, or inefficiencies.

### PERIODICAL SERVICING



Our maintenance programs include duct cleaning, filter replacement, coil servicing, and system inspections—all designed to prevent breakdowns, improve air quality, and extend equipment life.

### LUBRICATION & CALIBRATION OF COMPONENTS



Extending the lifespan of moving parts in HVAC units.

### DUCTING & PIPING



We deliver high-quality ducting and piping solutions for HVAC systems, ensuring efficient airflow and fluid distribution across all types of facilities. From fabrication to installation.





# EMERGENCY & BREAKDOWN REPAIRS

MAINTENANCE & SERVICING

## 24/7 RAPID RESPONSE SERVICE



**24/7** RAPID  
RESPONSE  
SERVICE



Ensuring minimal downtime with  
on-site troubleshooting and repairs.

← MAIN MENU

← SERVICES MENU

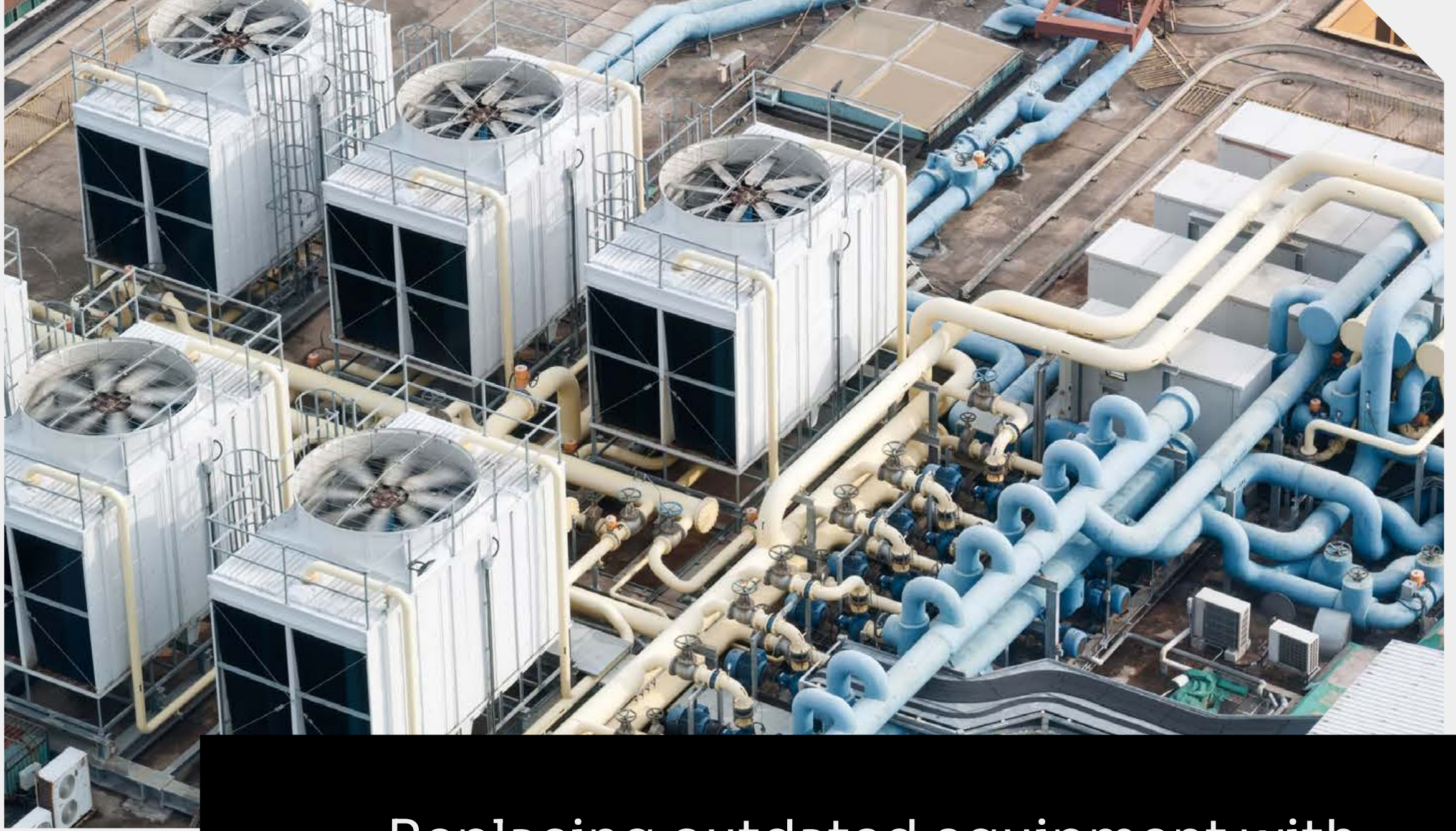




## ENERGY OPTIMIZATION & RETROFIT SOLUTIONS

MAINTENANCE & SERVICING

### UPGRADING TO HIGH -EFFICIENCY COMPONENTS



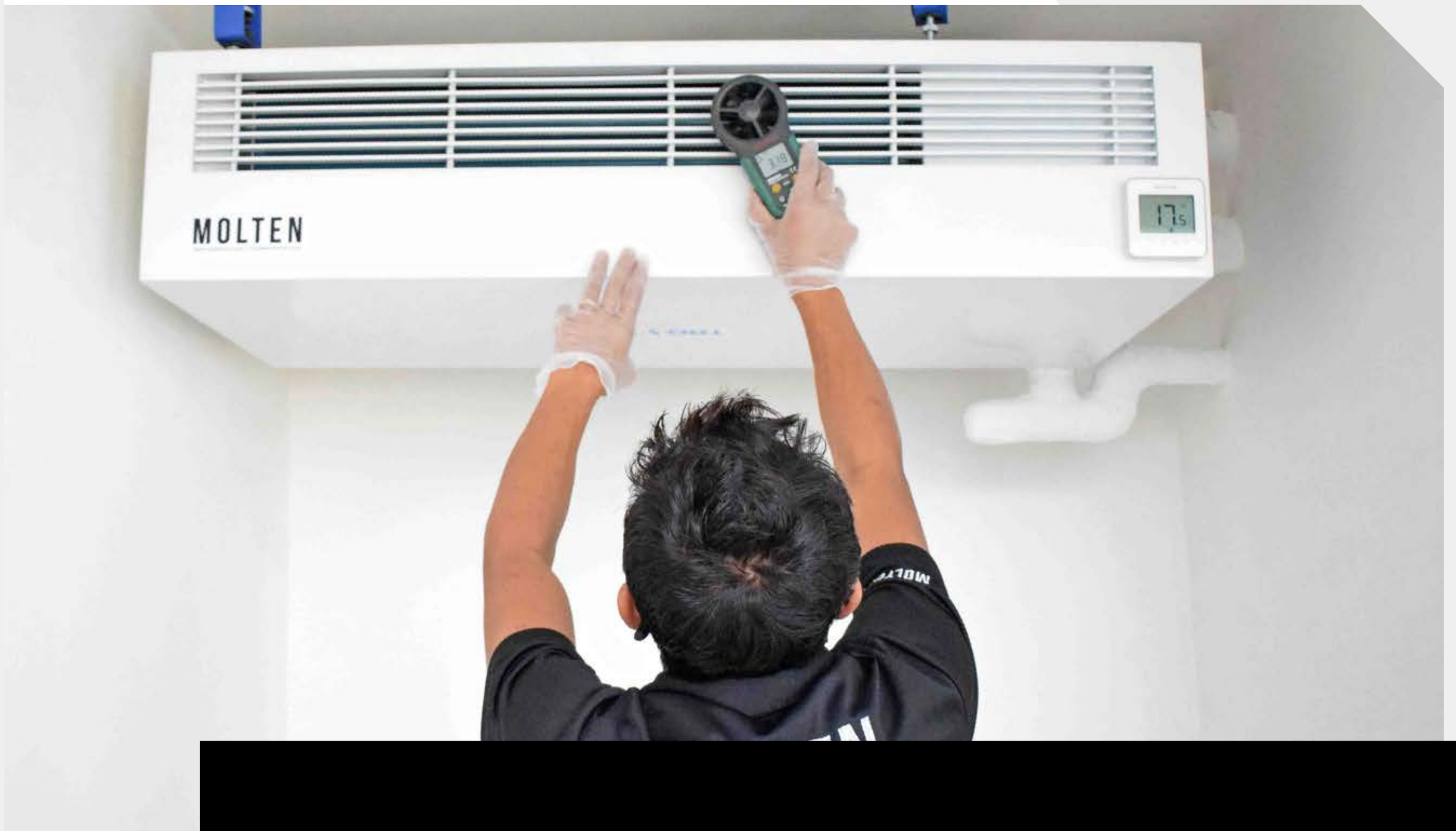
Replacing outdated equipment with VRF systems, variable speed drives (VSDs), and high-performance heat exchangers.

### BMS (BUILDING MANAGEMENT SYSTEM) INTEGRATION



Implementing automation for real-time HVAC performance monitoring and energy savings.

### ENHANCEMENT & OPTIMIZATIONS



We specialize in upgrading and fine-tuning HVAC systems to improve efficiency, performance, and indoor comfort. Through system audits, retrofits, and smart control integration, we help clients reduce energy consumption, extend equipment life, and achieve better climate control with minimal disruption.



## KEY PROJECTS

With over 1,200 projects completed across more than 600 sites, MOLTEN has served over 850 clients, achieving a 59% year-on-year growth. Their portfolio includes collaborations with prestigious clients such as Sheraton Hotels, where they provided innovative HVAC solutions that exceeded expectations.

### EXPO 2020

DUBAI, UAE



### SHEIKH ZAYED GRAND MOSQUE

ABU DHABI, UAE



### MOHRE

DUBAI, UAE



### UBORA TOWERS

DUBAI, UAE



### MARRIOTT JADDAF

DUBAI, UAE



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## KEY PROJECTS

### SHARJAH SHERATON

SHARJAH, UAE



### PARAMOUNT HOTEL

DUBAI, UAE



### BCT

DUBAI, UAE



### SSMC

ABU DHABI, UAE



### FIRMENICH

DUBAI, UAE



### JEBEL-ALI-CENTRAL-MALL

DUBAI, UAE



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## KEY PROJECTS

### AL FUTTAN BUSINES HUB

DUBAI, UAE



### MONTROSE

DUBAI, UAE



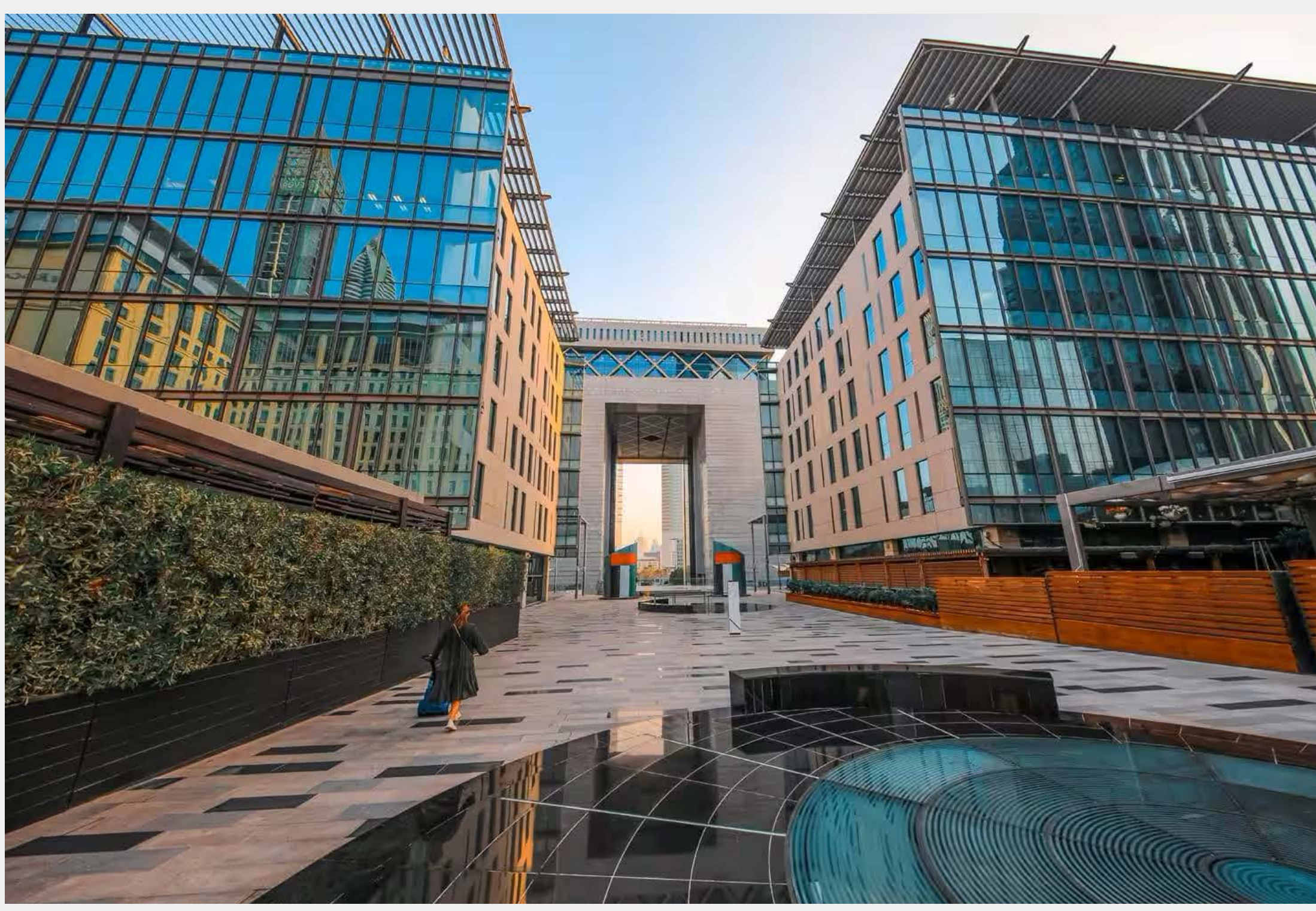
### P & G

DUBAI, UAE



### BAY AVENUE MALL

DUBAI, UAE



### ATRIA-RESIDENCE

DUBAI, UAE





































### ROTANA JADDAF

DUBAI, UAE





# FEW OF OUR CLIENTS





# CERTIFICATIONS & AWARDS



FINALIST

**BEST HVAC & MEP  
COMPANY OF THE YEAR**

★ **2021** ★

By : IRECMS, Dubai



SILVER WINNER

**BEST HVAC COMPANY  
OF THE YEAR**

★ **2022** ★

By : IRECMS, Dubai



PARTICIPATED

**ENGINEERING  
EXCELLENCE AWARD**

★ **2022** ★

By : Society of Engineers



جمعية المهندسين  
society of engineers



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# CERTIFICATIONS & AWARDS



SILVER WINNER

## BEST HVAC COMPANY OF THE YEAR

★ 2023 ★

By : World Realty Congress Dubai



FINALIST

## BEST HVAC & MEP COMPANY OF THE YEAR

★ 2024 ★

By : World Realty Congress Dubai



PARTICIPATED

## ENGINEERING EXCELLENCE AWARD

★ 2024 ★

By : Society of Engineers



FINALIST

## EMPLOYEE HAPPINESS AWARD

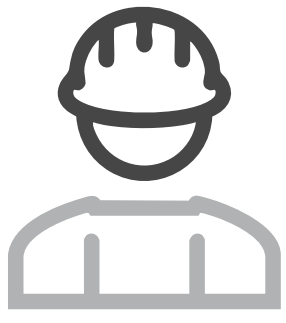
★ 2025 ★

By : EHA UAE



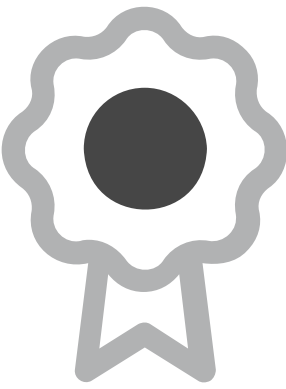


# WHY CHOOSE MOLTEN?



## INDUSTRY EXPERTISE

Decades of combined experience in HVAC testing, commissioning, and maintenance.



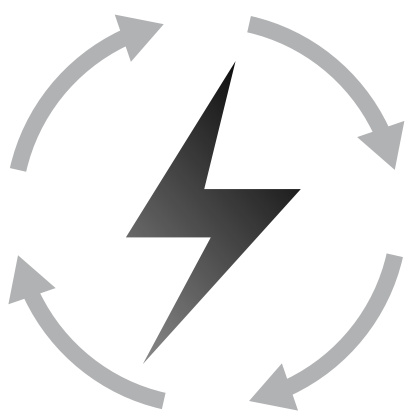
## CERTIFIED TECHNICIANS

Fully trained professionals following ASHRAE, LEED, and Estidama best practices.



## CUTTING-EDGE TECHNOLOGY

Utilization of IoT, AI-driven diagnostics, and real-time monitoring.



## ENERGY EFFICIENCY FOCUS

Helping businesses reduce operational costs and carbon footprints.



# MOLTEN

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Proudly

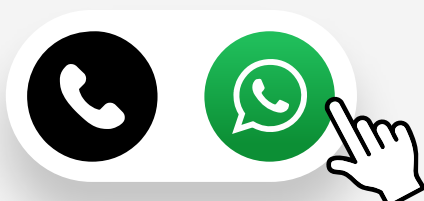


4.9-Star Rated  
on Google



See Our Google Reviews →

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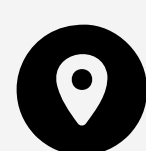
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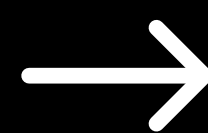
Reach us

**MOLTEN TECHNICAL SERVICES LLC**

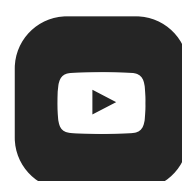


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Dubai, UAE

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