
DELIVERING A MORE SUSTAINABLE FUTURE

Advancing Sustainable Infrastructure for A Net Zero Future

2050

Seven national priorities, translated into practical, measurable improvements across mission-critical facilities.



Energy
Efficiency



Sustainable
Buildings



Water
Conservation



Circular
Economy



Climate
Resilience



Performance
Governance



Sustainable
Procurement

Sustainable Performance. Engineered Into Operations.

Aligned with the UAE Net Zero by 2050 Strategic Initiative.

SUPPORTING THE UAE'S NET ZERO BY 2050 VISION

At AVAR, we recognize the importance of the UAE's Net Zero by 2050 Strategic Initiative and its ambition to build a more sustainable, resilient and low-carbon economy.

Through integrated managed services, operational excellence and intelligent infrastructure management, AVAR supports the national vision by helping clients reduce energy consumption, optimize resources, minimize environmental impact and enhance long-term operational sustainability.

Our approach aligns with key priorities of the UAE's Net Zero by 2050 strategy, translating national sustainability ambitions into practical, measurable improvements across mission-critical facilities.

Our Alignment with the UAE's Net Zero Priorities

01



ENERGY EFFICIENCY &
DECARBONIZATION

Reducing Energy Demand Through Operational Excellence

AVAR supports the UAE's energy transition through continuous improvements in energy efficiency, power optimization and intelligent facility operations.

By optimizing cooling systems, UPS performance, load management and energy monitoring, we help clients reduce electricity consumption, improve **Power Usage Effectiveness (PUE)** and lower operational carbon emissions.

Our approach also supports renewable-energy integration and the adoption of energy-efficient technologies, contributing to the transition toward more sustainable infrastructure.

02



SUSTAINABLE BUILDINGS & CRITICAL
INFRASTRUCTURE

Enhancing Efficiency, Reliability and Long-Term Resilience

AVAR supports the UAE's focus on decarbonizing buildings and infrastructure through efficient operations, preventive and predictive maintenance, system upgrades and asset lifecycle optimization.

Our integrated approach helps extend equipment life, reduce resource consumption and improve the operational efficiency of mission-critical facilities.

By incorporating sustainability into facility management, we help clients improve environmental performance while maintaining the reliability, resilience and availability essential to critical operations.

OUR ALIGNMENT WITH THE UAE'S NET ZERO PRIORITIES, CONTINUED

03



WATER CONSERVATION & RESOURCE EFFICIENCY

Optimizing Water Usage in Water-Intensive Operations

At AVAR, we recognize responsible water management as a critical component of sustainable infrastructure, particularly in the UAE's water-scarce environment.

Through effective consumption monitoring, cooling-system optimization, intelligent leak detection, and water quality management, we support our clients in improving operational efficiency, reducing water intensity, and enhancing **Water Usage Effectiveness (WUE)**.

Our approach promotes responsible water consumption, reduced potable-water dependency, and opportunities for water reuse and recycling where technically feasible, strengthening resource resilience and supporting long-term sustainability objectives.

04



WASTE REDUCTION & CIRCULAR ECONOMY

Minimizing Waste. Maximizing Resource Value.

AVAR supports the UAE's transition toward a circular economy by integrating responsible waste management and sustainable resource practices into facility operations.

Our approach prioritizes waste prevention, segregation, reuse, repair, refurbishment, recycling, and responsible material recovery. Through effective asset management, sustainable procurement practices, supplier collaboration, and responsible e-waste and end-of-life management, we help clients extend asset life, optimize resource utilization, and reduce lifecycle environmental impacts without compromising operational reliability or safety.

We support clients in progressing toward Zero Waste objectives and achieving at least **90% waste diversion from landfill**, promoting resource circularity, responsible consumption, and continuous environmental improvement.

05



CLIMATE RESILIENCE & ADAPTATION

Strengthening Infrastructure Against Future Climate Risks

As climate-related challenges evolve, AVAR integrates resilience and sustainability into the management of mission-critical environments.

Through risk-based maintenance, emergency preparedness, infrastructure performance monitoring, lifecycle planning and operational optimization, we help clients strengthen facility resilience against changing environmental conditions.

Our approach supports long-term operational continuity while incorporating climate considerations into infrastructure planning, maintenance and continual improvement.

06



SUSTAINABILITY GOVERNANCE & PERFORMANCE MONITORING

Turning Environmental Commitments Into Measurable Outcomes

AVAR supports data-driven sustainability management through performance monitoring, operational controls, reporting and continuous improvement.

By tracking key indicators such as energy consumption, PUE, WUE, waste diversion and environmental performance, we help clients identify improvement opportunities and measure progress against their sustainability objectives.

Our structured approach supports transparent reporting, informed decision-making and long-term environmental accountability.

OUR ALIGNMENT WITH THE UAE'S NET ZERO PRIORITIES, CONTINUED

07



SUSTAINABLE PROCUREMENT & LIFECYCLE MANAGEMENT

Embedding Sustainability Across the Supply Chain

AVAR integrates environmental considerations into supplier selection, technical specifications, procurement and asset lifecycle management.

We support responsible sourcing, energy-efficient equipment selection, low-carbon materials, reduced packaging, repairability, durability and responsible asset disposal.

By considering environmental impacts throughout the facility lifecycle, we help clients improve resource efficiency and reduce the long-term environmental footprint of their operations.

From National Ambition to Operational Action

AVAR contributes to the UAE's sustainability vision by focusing on measurable operational priorities:

Energy Optimization

Improving energy efficiency and reducing operational electricity demand.

Carbon Reduction

Supporting decarbonization through efficient operations, renewable-energy integration and emissions monitoring.

Water Stewardship

Enhancing water efficiency and reducing water intensity.

Circular Economy

Promoting waste diversion, recycling, asset reuse and responsible resource management.

Climate Resilience

Strengthening infrastructure reliability and adaptability to environmental risks.

Performance Governance

Enabling sustainability monitoring, reporting and continual improvement.

Sustainable Procurement

Integrating environmental responsibility into purchasing and lifecycle decisions.

SUPPORTING THE UAE'S SUSTAINABLE FUTURE

AVAR believes that achieving long-term sustainability requires more than environmental commitments. It requires consistent action embedded into everyday operations.

Through technical expertise, intelligent infrastructure management and performance-driven managed services, we help clients advance their sustainability objectives in support of the UAE's Net Zero by 2050 vision.

Sustainable Performance. Engineered Into Operations.