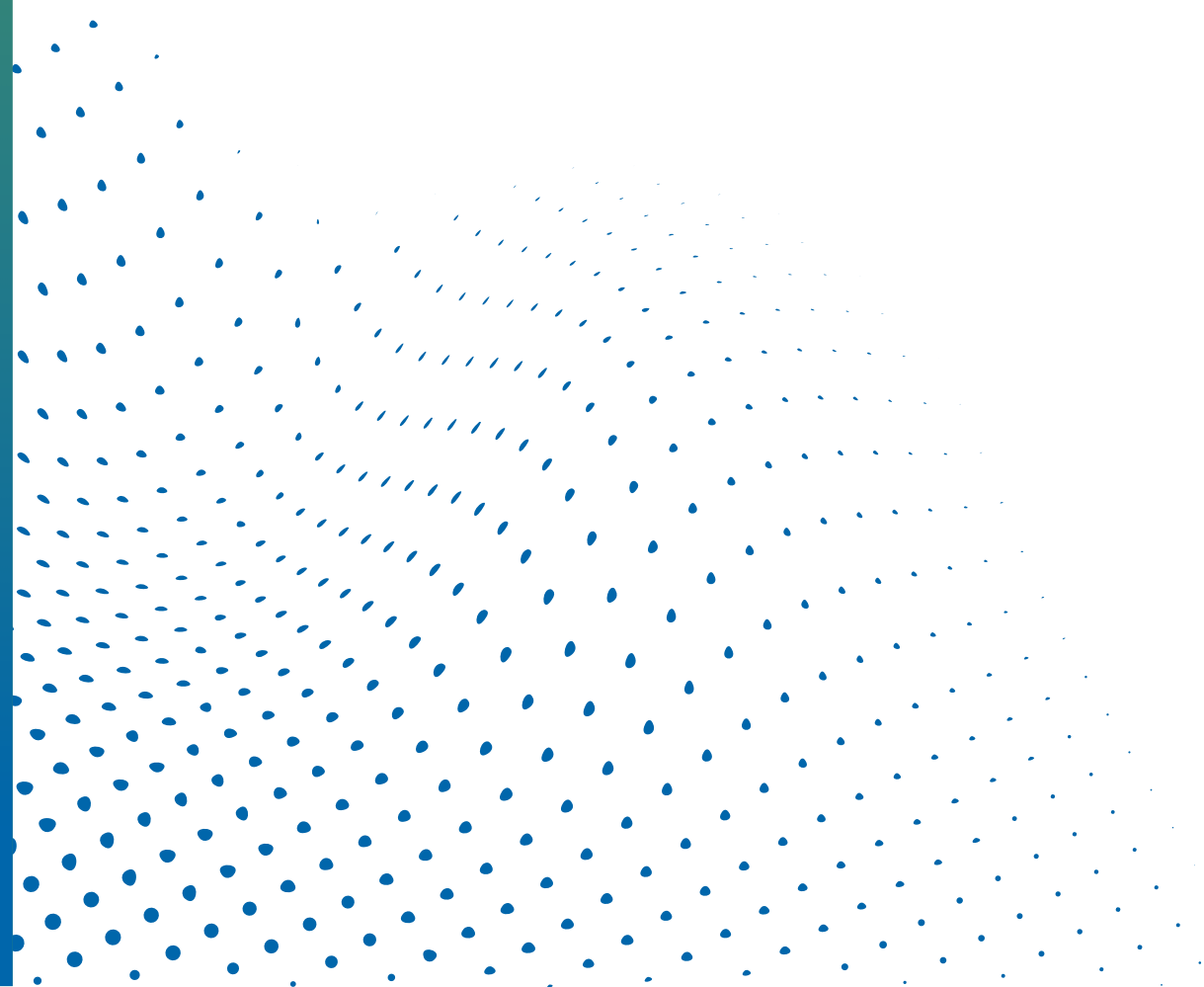




INNOVATIVE ENERGY AND  
CARBON REDUCTION  
SOLUTIONS

# SMART TECHNOLOGIES FOR SMARTER ENERGY



# WHO WE ARE

**Emissis North America, LLC – headquartered in Las Vegas, Nevada – is the U.S. arm of Emissis UK, a global leader in energy efficiency and cleantech innovation. Backed by over two decades of engineering expertise and a suite of patented, field-proven technologies, we help food service operators, restaurants, and food manufacturers significantly reduce electricity consumption, lower carbon emissions, and strengthen operational resilience. All with zero disruption to production or service.**



# WHAT WE OFFER

## OUR CORE TECHNOLOGIES:

### enPact Refrigeration & Cooling

Smart optimization for DX systems – up to 40% energy savings

- Non-invasive retrofit that enhances control of commercial refrigeration loads
- Reduces compressor run time while maintaining critical temperature compliance
- Typical energy savings: 12–25%
- Ideal for cold storage, walk-ins, chilled production, retail display units
- Supports food safety compliance and extends asset life

### enPact FilterPro

Whole-site voltage filtration – up to 18% savings, no voltage drop

- Advanced voltage filtration device that neutralizes energy loss from supply-side noise
- Unlocks underused magnetic energy via spintronic principles
- Works without lowering voltage – no impact on sensitive equipment
- Savings up to 18% site-wide (HVAC, plant, IT, lighting)
- Compact install, rapid ROI (<12 months in most cases)

### enPact Chillers

- Enhances thermal efficiency in closed-loop HVAC and process cooling systems
- Improves heat transfer, reducing compressor load and duty cycles
- Compatible with all major chiller and glycol systems
- No hardware changes required – simple liquid additive dosing
- Delivers up to 15% reduction in energy consumption
- Minimizes wear on components and extends equipment lifespan
- Fast paybacks and zero disruption to operations
- Ideal for hotels, commercial buildings, manufacturing, and data centers



At Emissis, we provide advanced retrofit technologies that deliver fast, measurable reductions in energy consumption and carbon emissions – without disrupting operations.

## SECTORS WE SUPPORT

We work with energy-intensive clients across a range of demanding environments:

- Laboratories & Pharmaceutical
- Food Production & Manufacturing
- Cold Storage & Refrigerated Logistics
- Food Retail & Supermarkets
- Hospitality, Kitchens, Bars & Restaurants
- Hotels & The Built Environment

## ENERGY & CARBON MANAGEMENT PLATFORM

Every Emissis installation comes with optional access to our real-time energy and carbon reporting platform, powered by **Univers** – a trusted leader in intelligent building analytics.

### This cloud-based dashboard provides:

- 24/7 live tracking of energy usage, costs, and carbon impact
- Automated insights to flag anomalies, inefficiencies, or out-of-hours usage
- Custom reporting for ESG compliance, internal reporting, and utility analysis
- Scalable visibility across single or multi-site operations

### Key Univers Stats:

- Deployed across 5,000+ sites globally
- Manages over \$300M in annual energy spend
- Supports reductions of up to 30% in energy waste

# WHO WE WORK WITH:



# OUR APPROACH

Our process ensures every project delivers maximum impact with minimal disruption:

## 1. Site Survey & Energy Assessment

- Our engineering team conducts an in-depth audit of your facility.
- We gather data on energy usage, system performance, and operational patterns.

## 2. Custom Proposal & Savings Forecast

- We prepare a detailed proposal with product recommendations and a clear savings estimate.
- Payback periods and CO2 reduction forecasts are included.

## 3. Seamless Installation

- All solutions are installed by our in-house certified engineers.
- Work is scheduled to minimize operational downtime.

## 4. Live Monitoring & Verification

- Post-installation, we continue to track performance using metering and analytics tools.
- Clients receive regular reports on savings, efficiency improvements, and site performance.

## 5. Ongoing Support & Optimization

- We stay involved to fine-tune system performance and respond to operational changes.
- Continued performance verification ensures long-term savings and carbon impact.



Site Survey &  
Energy Assessment



Custom Proposal  
& Savings Forecast



Ongoing Support &  
Optimisation



Live Monitoring &  
Verification



Seamless Installation

# CONTACT

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