

# Appendix L

**E3 Solutions Enhanced Wastewater Evaporation Systems Brochure**

# ENHANCED WASTEWATER EVAPORATION SYSTEMS



## APPLICATIONS

Oil and Gas • Mining  
Landfill Leachate • Power Plant  
WWT • Storm and Flood Water  
Food and Beverage • Reverse Osmosis  
And More

**MAXIMIZE EFFICIENCY | MINIMIZE WASTEWATER**

**RETURNING PURE WATER VAPOR BACK INTO  
THE HYDROLOGIC CYCLE**

[evaporationworks.com](http://evaporationworks.com)

# EVAPORATORS DESIGNED TO LAST AND PERFORM

Capable of evaporating wastewater with the highest and lowest pH, and challenging levels of TSS and TDS.

## APPLICATION CAPABILITY

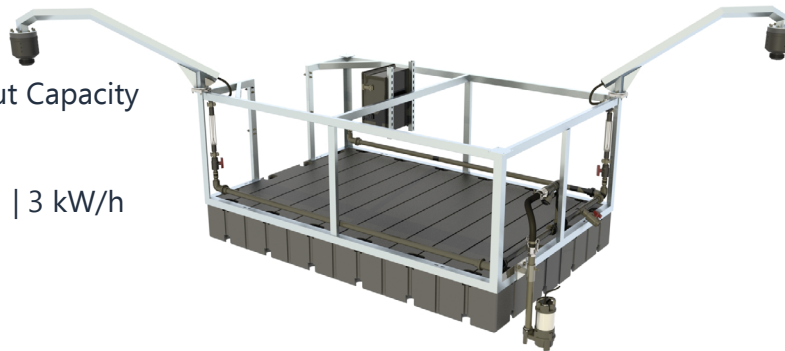
- ✓ Adjustable droplet size and overspray control
- ✓ 360° rotational atomizing arm
- ✓ Variable droplet size spectra, 70 - 125 micron average
- ✓ Atomizer speeds up to 15,000 RPM
- ✓ Safe servicing platform

## THE HIGHEST SPEED TO HORSEPOWER ATOMIZER ON THE MARKET PROVEN INDUSTRY BEST EVAPORATION RATES

### VARIMAX 20

Maximum Throughput Capacity  
20 GPM | 4.5 m<sup>3</sup>/h

Electric consumption | 3 kW/h

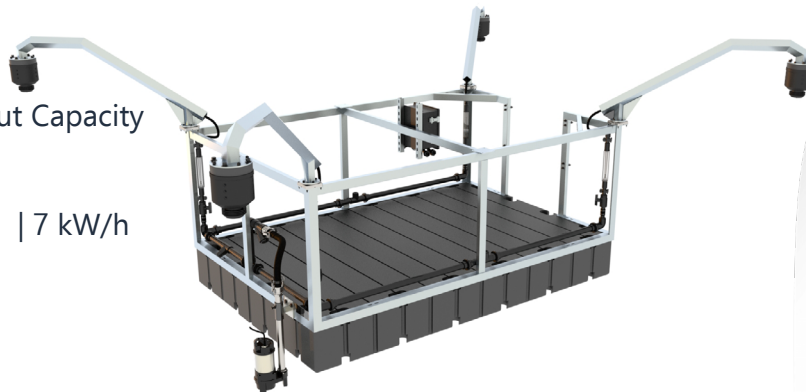


The Varimax 20 is expandable to a Varimax 40.

### VARIMAX 40

Maximum Throughput Capacity  
40 GPM | 9 m<sup>3</sup>/h

Electric consumption | 7 kW/h



Depending on the weather conditions, one Varimax 40 unit can evaporate over 600 barrels of wastewater per day.



Customer's Testimonial



E3's evaporation equipment easily met all our performance requirements keeping us in compliance with Florida's environmental disposal regulations.

**Michael S.**  
Florida Governmental Utility Authority



Customer's Testimonial



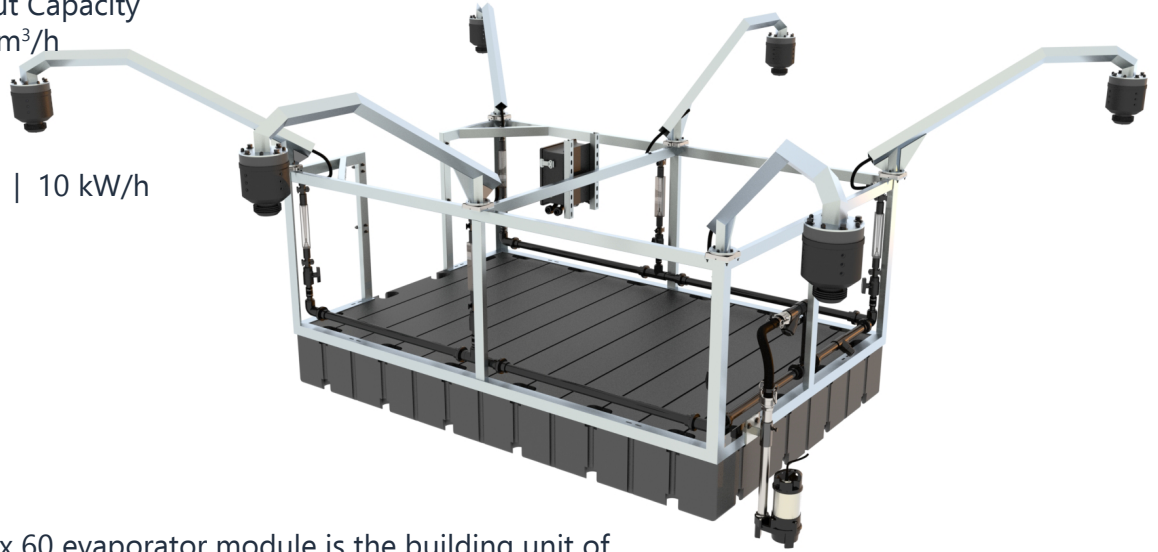
E3's Varimax-20 provided immediate results that quickly led us to purchase an additional three Varimax-40 units... we proudly recommend E3 Solutions LLC without hesitation.

**Mike D.**  
IWS Energy Services

# VARIMAX 60

Maximum Throughput Capacity  
Up to 60 GPM | 13.5 m<sup>3</sup>/h

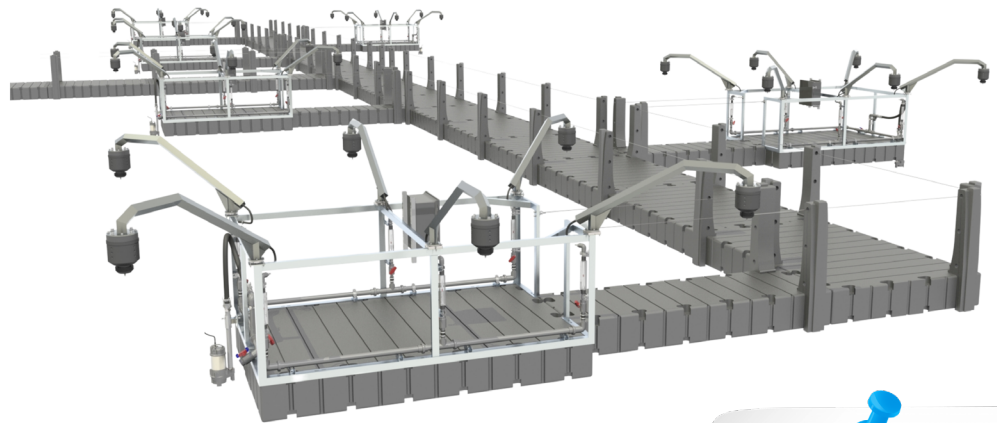
Electric consumption | 10 kW/h



The Varimax 60 evaporator module is the building unit of E3's MegaMist 360 and MegaMist+ evaporators.

## MEGAMIST 360 & MEGAMIST +

Customizable Throughput Capacity  
starting at 360 GPM to  
over 10,000 GPM



The MegaMist+ has the industry best micron-droplet spectra to dry-air mix ratio Vs competitive equipment.



[Watch the MegaMist+ in operation.](#)

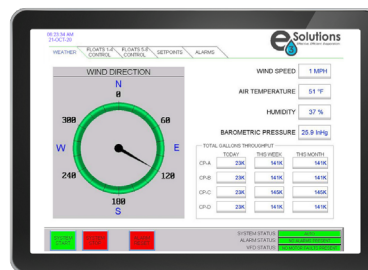


# Environmental Control Interface (ECI)

Allows additional weather control and programming capabilities to match E3's Evaporation Systems to the local conditions, alleviate overspray, and increase evaporation in real-time.



State-of-the-art  
Weather Station



HMI 15" LCD Interface

## ECI's real-time functions:

- Site Specific Set Points
- Water Throughput Totalizer
- Remote Access
- Optional Remote Camera
- Downloadable Stats
- Wind Speed & Direction
- Relative Humidity
- Air Temperature
- Barometric Pressure



Over 10 years of International Evaporation Experience

contact us  
**888.501.2126**

SALES, SERVICE &  
SUPPORT

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**Financing and Lease Options Available**



[evaporationworks.com](http://evaporationworks.com)