Megawatt Solutions Private Limited



Renewable Energy and Energy Efficiency Industrial Solutions for Heating, Cooling & Power Generation



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International Energy Agency (IEA) Lists MWS As Most Experienced and Top 5 Global Suppliers



Turnkey suppliers with more than 10 reference projects at the end of 2019

89	Médulo Solar Mexico	
72	Sunrain China	
66	Inventive Power Mexico	
47	Linuo Paradigma China	
32	Megawatt Solutions India	
29	Ritter XL Solar Germany	
28	SEA Sistemas de Ecotecnias Ambientales, Mexico	
24	Vicet Solar Technology China	



Where to look for the world's mos SHIP suppliers

solarthermalworld.org







About Megawatt Solutions



- Core Technology and Solutions Company For "Clean, Emissions-Free Process
 Heating, Cooling & Waste Water For Manufacturing Industries"
- One of Largest MNRE-Channel Partner For RE-Fossil Hybrid Energy Solutions
- Core Focus On Industrial & Manufacturing Customers
- Turnkey- Design, Engineering, Manufacturing, Commissioning & Operations
- Pan-India Presence For Projects and Service Teams
- Customers include PSU, Private, SME, Corporates, Government Agencies
- MNRE Channel partner award for special contribution

MWS Is A Market Leader in Industrial Energy Solutions



Clients



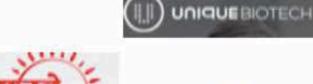


Accreditations







































Key Solutions Include Energy Efficient Heating, Cooling, Waste Water and Power Generation Systems





MWS SOLAR FIELD

High-Temperature Solar Thermal For Displacing Fossil Fuels and Emissions In Industrial Process Heating



MWS DRYSOL

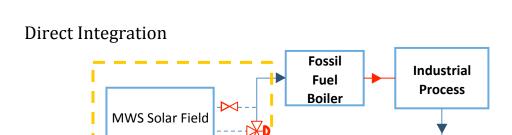
High Efficiency Sludge Dryer For Reducing Disposal Costs and Sustainable Sludge Management



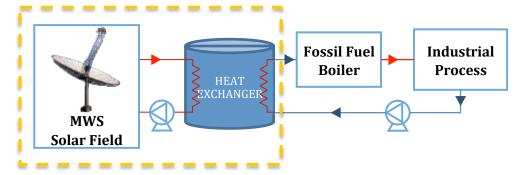
MWS TOWER EVAPORATOR

Low-Energy Waste
Water Evaporator For High
TDS Streams For Ensuring
Compliance at Zero
Maintenance

MWS Solar Field Can Be Hybridized With Existing Fuels Or Stored Thermally To Provide Uninterrupted Energy



Indirect Integration



- No impact on customer processes
- Back-ended integration
- Full automation, controls and safety implemented in Solar Field

Industry	Working Fluids	Temperature Range
Pharmaceutical	Steam, Air	80°C - 230°C
Textile industry	Water, Steam	60°C - 150°C
Chemical Industry	Steam, Air	80°C - 320°C
Pulp & Paper Industry	Steam	Up to185°C
Food Industry	Steam Thermic Oil	80°C - 280°C
Automobile Industry	Water, Steam	60°C - 200°C
Air Conditioning (VAM)	Water, Steam	60°C - 150°C

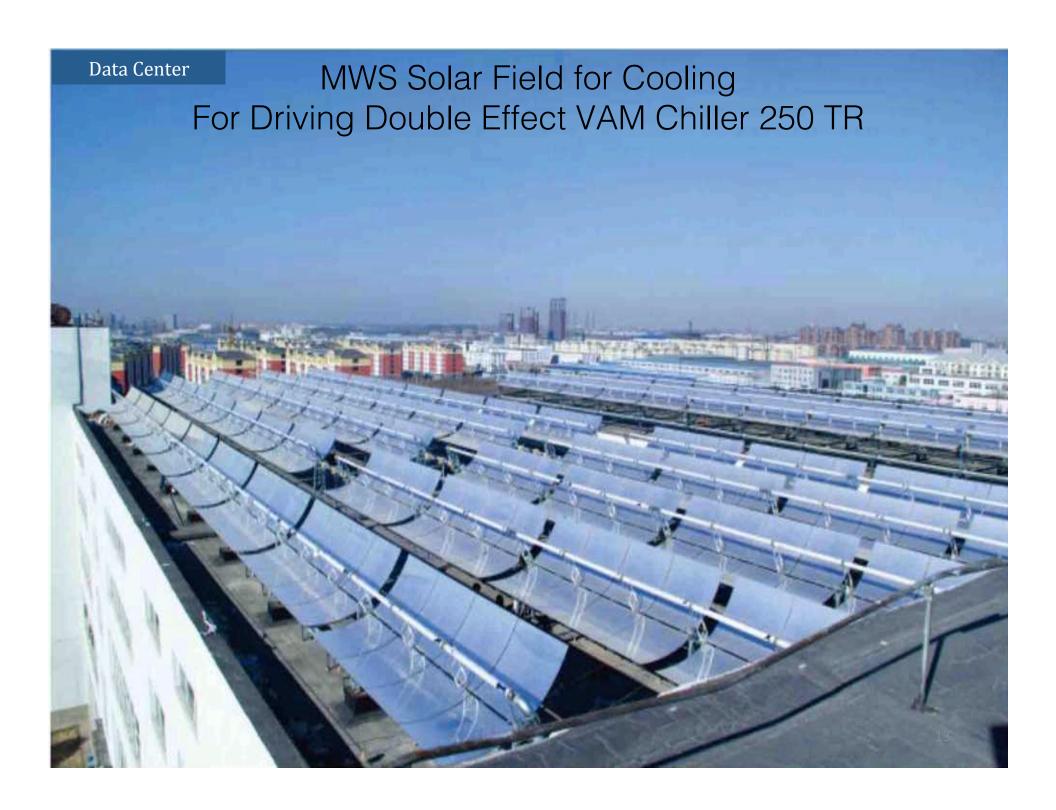


Clean Industrial Processes for Sustainable Manufacturing



MWS PROJECTS & CASE STUDIES



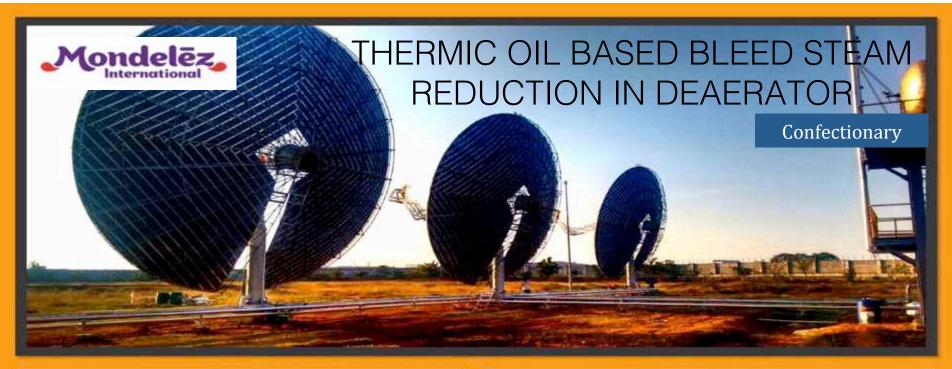


For Paint Sludge Drying at 200degC



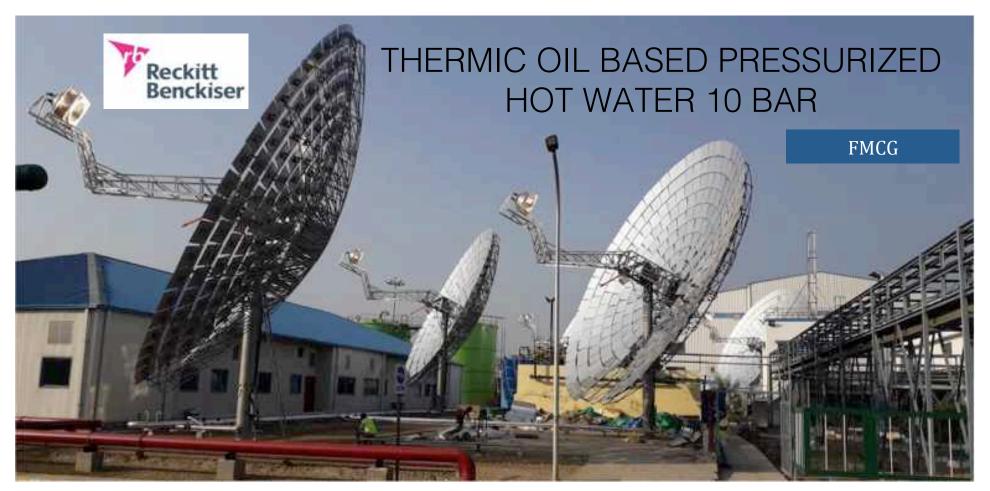


















MWS DRYSOL

Packaged High-Efficiency Automated Sludge Drying

MWS DrySol



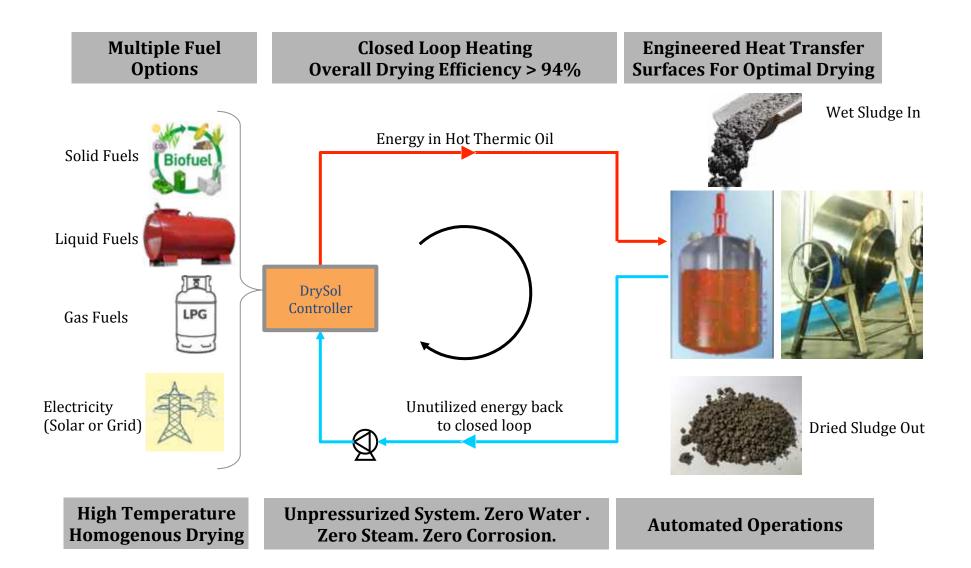
- Batch & Continuous Thermal Drier for Rapid Drying/Evaporation
- Efficiently Dewaters Slurries & Sludges to a Dry Condition
- Crucial Part Of Your ZLD Solution For Pre and Post-Mechanical Press Sludge
- Applicable To:
 - ETP Sludge and Slurries
 - Concentrate from RO plants
 - Concentrated salt slurries



- Water based inks & paints, and other water based sludge applications
- High Heat Transfer Leading To Drying Upto > 95% Solids
- Mobile Packaged Solution on Skid
- Flexibility to Utilize Multiple Heat Sources for Drying

MWS DrySol- Working Principle





MWS DrySol- Integrated, Skid-Mounted, Packaged Electrical Heating & Drying Units

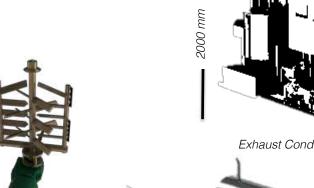




MWS DrySol Skid (100 kg- 2 TPD)



Typical weight: 850 kG/unit



DrySol Agitator

1500 mm

3000 mm Exhaust Conditioning Hot Oil Electrical Heater Operator Alarm + Hooter DrySol Control Cabinet Exhaust Condense Recovery Tank Hot Oil circulation Pump Dried Sludge Collection Tray Collection Tray Latch

Motorized Auto-lift Lid

Motorized Auto-Tilt Gearbox

DrySol Drying Vessel

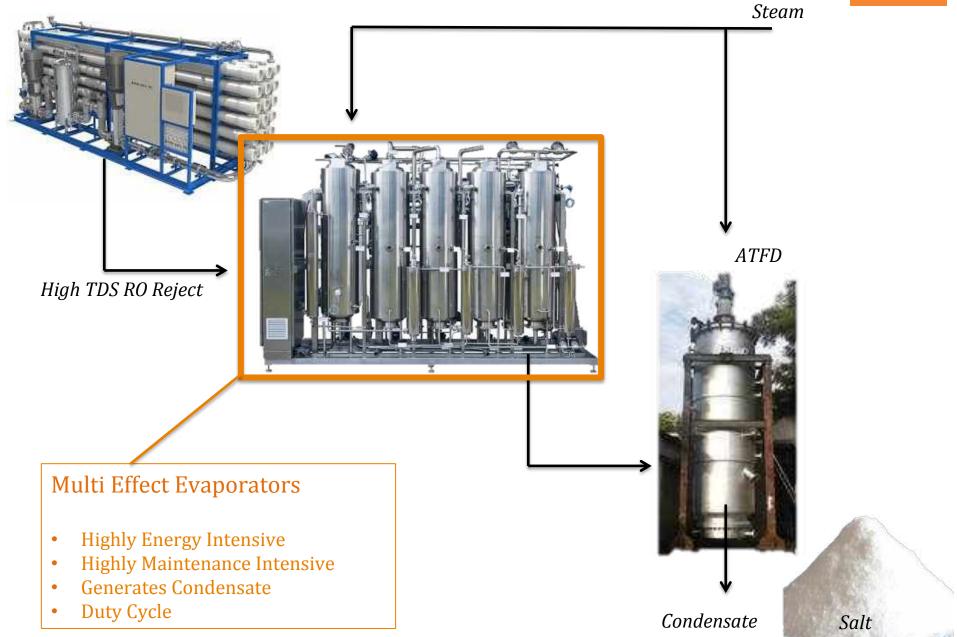


MWS TEVAP

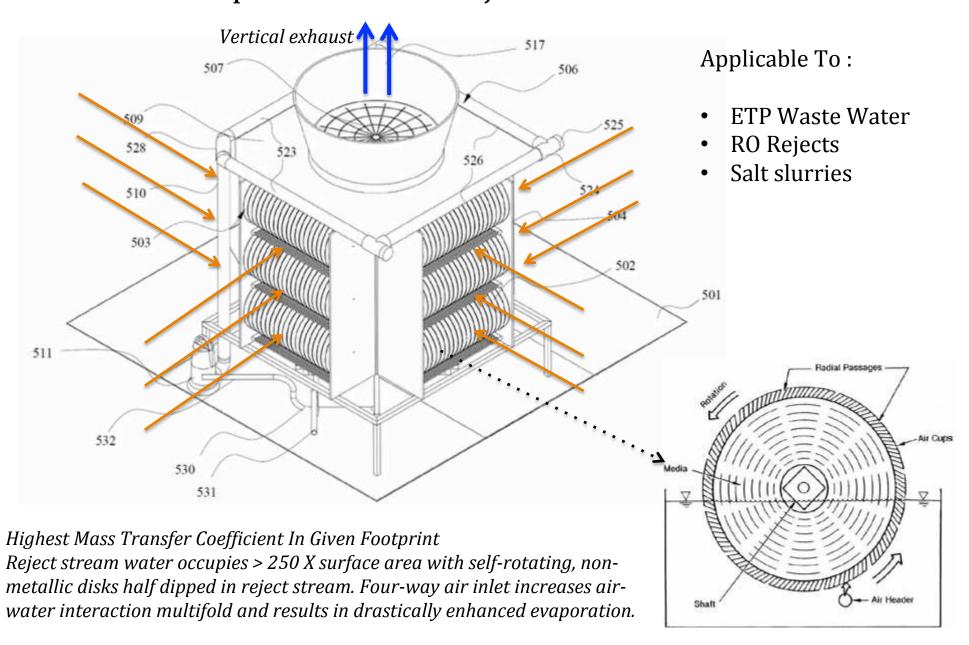
Ultra-Low Energy, Zero-Maintenance RO Reject & Waste Water Evaporator

Current Situation



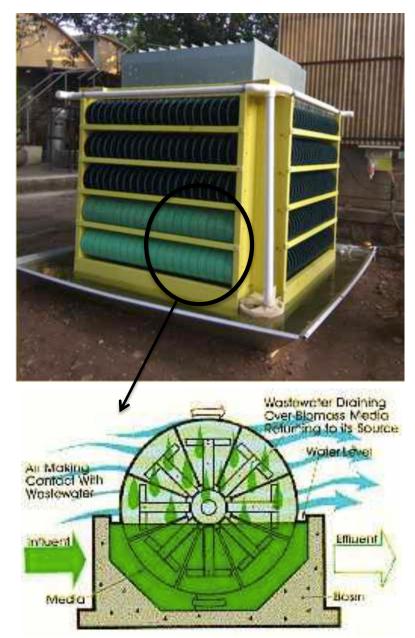


MWS Tower Evaporator & Crystallizer- A Patented Technology To Enhance Evaporation of RO Reject & Effluent Streams



MWS Tower Evaporator Working Principle







Vertical Tower

Design Ensures

Smallest Ground

Footprint Critical For

Industries

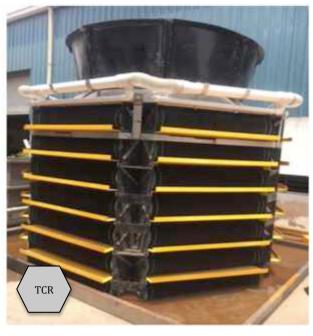


MWS Tower Evaporator

Is Field Proven Across Effluent Capacities, Qualities & Ambient Conditions











MWS Tower Crystallizer (MWS TCR)



Corrosion Resistant Rugged Design For Salty Environments



Polypropylene PP, Polycarbonate PC, Stainless Steel SS304, 316, 316L, Aluminium, Mild Steel MS, etc. according to fluid type e.g. corrosive, erosive, fouling, catalytic activity, etc.

Non-Corrosive FRP Members Construction

High Rigidity Self-Supporting FRP Frame

Non-Corrosive Piping & Spray Nozzles

Non-Metallic Rotating Disk Construction

FRP- Tower Fan Blades

Chemical Resistant OS4 Motor

Water TDS > 2,00,000

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Image is Representational; Subject to Change

Integrated with Heap Pump For Continuous Evaporation

