API's Alternate Energy Technologies

Alternate energy derived from non-fossil fuel, produce little to no greenhouse gases. Energy produced from these alternative sources do not contribute to greenhouse gasses that cause climate change. Heating and cooling requirements are different and require better efficiency to avoid loss of range performance.

API Heat Transfer offers cooling packages for all alternate energy technologies with individualized engineering support to provide you with the most efficient thermal solutions.

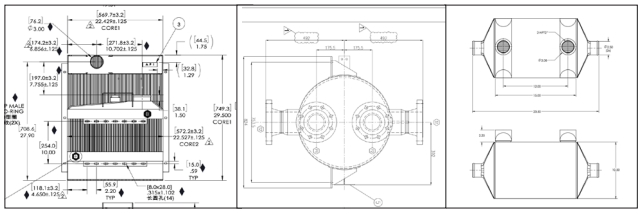
API Energy Markets Served:

- **Electric Drive and Storage**
- **Hydrogen**
- **Solar**
- **Wind**
- **Natural Gas**
- **Biomass and Biofuel**
- **CCS**
- **Nuclear**
- **Waste Heat Reuse**

Advantages of Alternate Energy Technology:

- **Reduced carbon emissions**
- **Reduced air pollution from energy production**
- **No greenhouse gas emissions**
- **Diversifying energy supply and reducing dependence on imported fuels**
- **Job creation through renewable energy industries**
- **Increased affordability**
- **Expands clean energy access non-grid-connected or remote communities**

Heat Pump Solutions | **High Temp & Pressure Alternatives** | **Liquid-to-Liquid**



API Alternative Energy Solutions:

- Continuous Atmospheric Braze Technologies for Aluminum Tube and Header and Micro-Channel Applications
- Vacuum Braze Technologies for Aluminum Bar & Plate Requirements
- Shell & Tube Solutions for Aggressive Cooling Requirements
- Plate & Frame and Plate and Shell for Nitrogen Cooling Packages
- Brazed Plate, Condensers and Micro-Channel Cooling Solutions
- New Liquid-to-Liquid Cooling Packages

API's Innovation Council:

- API's top engineering subject matter experts focusing on specific alternative energies
- Working together to ensure API investments are supporting our customers advances in these accelerated growth areas
- Working jointly on customer needs and solutions

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