

about energy spectrum

Energy Spectrum is a market leader in the design and installation of energy recovery systems. We offer a fully comprehensive service from evaluating your production process and assessing your potential energy returns to designing, installing, commissioning and maintaining the most suitable waste energy recovery system for your facility. We utilize an advanced patented Heat Pipe Heat Exchange technology to capture and re-cycle waste energy from your existing process for re-use within the process or for use in other areas of your plant.

Why use an Energy Recovery Solution?

In the current economic business climate high energy costs are an increasingly important factor directly affecting production costs. Energy Spectrum can provide solutions to reduce your energy costs and support your commercial and environmental sustainability. Millions of KW of energy are wasted every day, energy that can be recovered for further use by an Energy Spectrum energy recovery system. Energy Spectrum provides a guaranteed performance level for every installation we complete.

Potential Savings

The opportunity to dramatically reduce your energy costs is very real. Installation of an Energy Spectrum energy recovery system usually offers a return on investment between 18 and 24 months. Energy Spectrum can recover up to one third of your wasted heat energy with its pioneering utilization of patented Heat Pipe Heat Exchange technology. These savings are seen immediately in your lower production costs and your bottom line profitability.

World-wide service

Energy Spectrum can design and install systems for you wherever you are located on the globe. Only our heat exchangers need to be freighted to site. Where costs allow Energy Spectrum uses local contractors approved by the facility to supply labor and parts helping us to reduce lead times and to minimize costs. Call to speak to one of our highly experienced engineers for more information.

For more information contact:

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or visit us at:

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Benefits

Custom design – every Energy Spectrum system is specifically designed for your particular application. The patented Heat Pipes can be supplied in whatever length is necessary so that the Heat Exchange housing can be built to fit nearly any area available within the production area – designed specifically for your installation, balancing equipment and installation costs against the potential heat recovered in order to achieve the most efficient, cost effective solution possible.

Return on investment – we understand tough commercial business environments and we focus on providing you with the best possible return for your investment dollar our typical ROI is 18-24 months. Some systems we have designed have had a 100% ROI in as little as 11 months.

Minimum maintenance – low fouling potential, due to smooth Heat Pipe design, and zero cross contamination between Heat Pipes, ensures minimal system downtime. Single Heat Pipe failures have no effect on system operation and can be easily and simply replaced.

High temperature applications – Energy Spectrum Heat Pipe Heat Exchangers can be designed to operate up to 1000°C.

Isothermal operation – the thermodynamic process, in which the system maintains constant temperature, facilitates corrosion resistance.

Reliability – most Heat Exchange systems do not come with a five year guarantee, Energy Spectrum assures you of a longer life expectancy and more beneficial long term benefits than other Heat Exchange technologies.