



Saving Energy and Reducing Emissions Worldwide



CASE STUDY NO. 05

IMPROVED FURNACE RECOVERY TIME BY 25%



Patented Radiant Tube Insert (RTI)



Monitoring & Alerting



Installation & Tuning

HOW WE HELPED A HEAT TREATING OPERATION IMPROVE RECOVERY TIME BY 25%

01 APPLICATION

- Williams 9' IQ box furnace used primarily for batch annealing of small components
- Four U-Tubes with Eclipse bayonet recuperator

02 PROBLEM

- Cycle time improvements required

03 OBJECTIVE

- Reduce total cycle time

04 SOLUTION

- PSNERGY installed RTI's in four U-Tubes
- PSNERGY balanced and tuned the furnace

05 RESULT

- Recovery time reduced by 25%
- Total gas consumption per load reduced 5%
- Rollout of PSNERGY RTI across all remaining furnaces



**LET'S
TALK**

**814.504.2326 or
Team@PSENERGY.com**

COMBUSTION SYSTEM EXPERTISE

- *Tuning & Troubleshooting*
- *Radiant Tube Inserts (RTI)*
- *Training*
- *Monitoring & Alerting*
- *Consulting*

OUR MISSION

PSENERGY's team of engineers works hard to increase our customer's global competitiveness by increasing productivity and reducing emissions with affordable, highly technical product and service solutions. Our customer centric, data driven approach establishes long-term partnerships with our customers on their way to realizing improved bottom line performance.

Want to learn more about how PSENERGY can increase your output? Our friendly and knowledgeable team of combustion system experts are standing by—call today!



PSENERGY, LLC

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