



Saving Energy and Reducing Emissions Worldwide



CASE STUDY NO. 01

INCREASED PRODUCTION BY 40%



Patented Radiant Tube Insert (RTI)



Combustion System Troubleshooting



Installation & Tuning

HOW WE HELPED A CONTINUOUS ANNEAL LINE INCREASE PRODUCTION BY 40%

01

APPLICATION

- Three strand silicon strip continuous anneal line
- 35 non-recuperated straight radiant tubes in zone 1

02

PROBLEM

- Line speed limited due to available heat in zone 1

03

OBJECTIVE

- Increase zone 1 temperature 10° F from 1550° F to 1560° F
- Eliminate line speed reduction

04

SOLUTION

- PSNERGY installed RTI's in all 35 tubes of zone 1
- PSNERGY balanced and tuned all tubes in zone 1 and zone 2

05

RESULT

- 200° F temperature increase, zone 1 from 1550° F to 1750° F
- 40% increase in production on same gas consumption



**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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