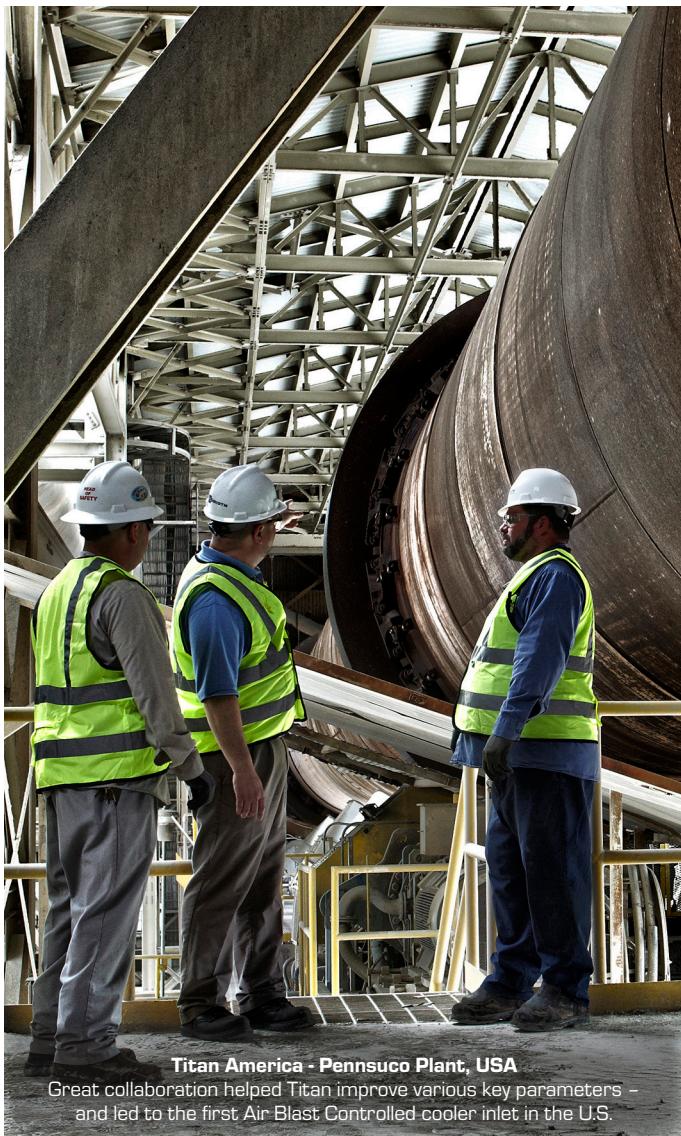


FULLER®

CASE STORY

SNOWMEN DISAPPEAR IN FLORIDA

Fuller's Customer Service Projects team took over customer support after installation of a new production line and helped Titan gauge and address priorities.



Working with Titan Florida, Fuller's CSP group eased the transition from the close of the major project by creating new ties with plant staff and helping them gauge priorities. Addressing the snowman problem was at the top of the list.

The solution

The solution featured the first ABC cooler inlet on the U.S. market – installed to improve the original Controlled Impact Section and set the model for future retrofits.

In addition to the ABC Cooler Inlet, Fuller also supplied three new cooler fans, a new heat exchanger to protect the cooler vent fan from temperature spikes, and modifications to the kiln dust handling system.

"The ABC inlet was a major improvement to the plant. Snowmen are quickly removed from the top, and maintenance work has not been performed since installation. The ABC project upgrade was a significant improvement for plant operations and maintenance."

**- GUILLERMO HABERER, MANAGER
TITAN AMERICA, PENNSOCO PLANT**

Challenges

The upgrade required modifications to the plant that could only be performed during a shutdown. Because of the high demand for cement at the time, the downtime had to be minimised. Fuller and Titan worked closely together to ensure solutions and designs that would allow for quick installation and short downtime.

Results

Following the upgrade, both operational efficiency and uptime increased. Snowmen were eliminated; secondary and tertiary air temperature increased; and fuel consumption, clinker exit temperature and compressed air consumption decreased. As of 2011, the inlet has been installed for more than four years and looks virtually new.

Today Titan has eliminated all snowman formations and overall operational efficiency has significantly increased.

Parameter	Result
Secondary air temperature	Increased by 210°C
Tertiary air temperature	Increased by 175°C
Fuel consumption	Decreased by 3%
Clinker exit temperature	Decreased by 20°C
Compressed air consumption	Decreased
Snowmen	None
Daily operator intervention	Eliminated
Personnel safety	Increased

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