

# ▶ Furnace Draft Analysis

## ▶ PLANT MODEL

TRAX, a leader in simulation analysis, provides a validated process and control simulation of your plant. All plant models are validated against historical plant data to ensure accuracy.

Only a plant-specific model will provide an accurate prediction of the impact new equipment and controls will have on your unit.

Using your plant-specific dynamic models, our experienced engineers can:

- Forecast potential plant risks
- Determine NFPA compliance
- Test alternative configurations
- Design and test control strategies
- Examine process or control mitigations
- Predict positive and negative pressures
- Evaluate plant behavior during MFTs or fan trips
- Compare open, closed and active bypass systems
- Determine the potential for fan stall

## ▶ WHAT CAN A DYNAMIC MODEL DO FOR YOU?

## ▶ MITIGATIONS

**Our tested mitigations** can help keep pressure excursions within structural limits.

**A small change in control strategy** can have a large impact on pressure response.

**Our experience makes us #1** in our field. Having modeled more than 160 plants world wide, we know what to look for, and what alternatives to consider.

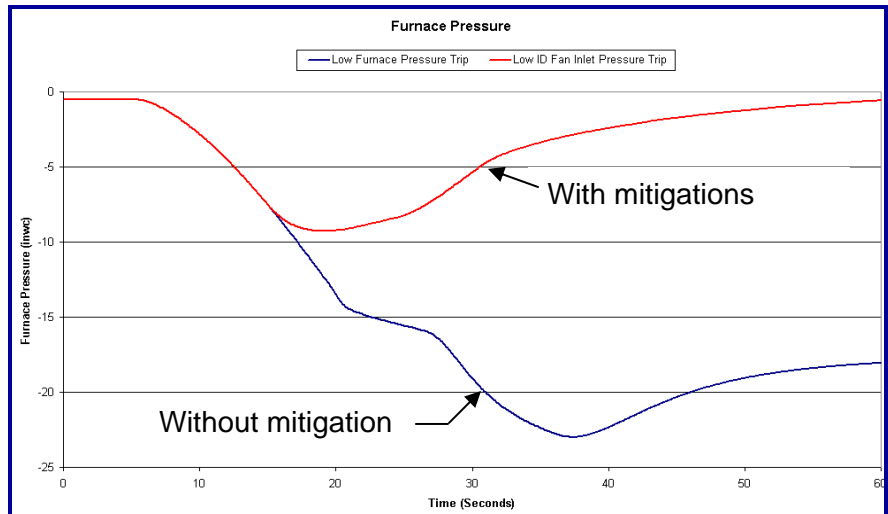
## ▶ BENEFITS

- Our accurate, low-cost studies can be performed prior to final design decisions
- Results are provided in multiple formats
- The model files are yours to use for future testing

## ▶ QUESTION RESOLUTION

Let us help you answer these and other questions:

- What is the impact of adding a scrubber?
- How low will furnace pressure go?
- Will the axial fans stall?
- Have the fans been correctly sized?



Furnace pressure during a fan malfunction



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