

**Industry:** Petroleum

**Application:** Cooling

**Product Description:** Retractable SA Lances

**Situation:** A BETE customer needed air-atomizing nozzle lances to spray cooling water in a refining regenerator vessel. The nozzles needed to be made out of high temperature-resistant Inconel 625 nickel alloy. They also wanted an option of being able to retract the lances out of the gas flow when they weren't needed, reduce wear on the nozzles, and improve air-flow through the vessel.

**BETE's solution:** BETE Design Engineers offered lance designs for both permanent and retractable options, designing the retractable lance components to over 150% of the customers 380°F (193°C) temperature specification, and also allows for 360° of nozzle head rotation if needed.

### Technical Questions?

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