Christina Compton

Ultra-High Purity Field Engineer

Why did you decide to join Air Products?
I completed several internships with Air Products during college and enjoyed the work environment and how engaging it was, even though I was just an intern.

Why do you love working at Air Products? What is it that keeps you working at Air Products?
First and foremost, the people. Everyone is helpful, all the way from the technicians to upper management, and are always willing to answer questions. I also enjoy that you can feel important, can contribute at all levels, and are given credit for your contributions.

Please describe your career with Air Products to date.

Internships:
HyCO/ASU Central Maintenance
SMR-Cogeneration Plant
Customer Project Engineering
Customer Product Engineering

CDP (Full Time – Rotational Program):
Global Plant Design Mechanical Systems Engineer: Participated in design efforts for multiple air separation plant projects
Customer Stations Maintenance: Assisted in the roll-off of the pioneering software SWIFT to all maintenance technicians across the US and Canada
Chandler Air Separation Plant Engineer:

- Participated in design verification of site expansion
- Implemented several critical plant improvement projects (cooling tower renovation, pure argon tank installation, etc.)

Current Role:
Senior UHP Field Project Engineer: Support large semiconductor customers with upgrading, maintenance and operation of multiple bulk gas and pipeline delivery systems that support their large microchip production facilities.

How does what you do contribute to sustainability?
As a field project engineer supporting multiple large semiconductor customers, there is constant communications with customers on how to improve the operation of their systems to reduce maintenance costs. And we are constantly looking for ways to improve efficiency. I recently completed a project to install a new nitrogen customer delivery station at a high-usage customer to fix existing supply pressure issues caused by an undersized delivery station. This issue required us to run our nitrogen pipeline to the customer at higher pressures. The fix has resulted in significant spec power savings.

I have participated in several liquid nitrogen demonstrations at local "Girls in STEM" events held to encourage young school-age girls to be interested in science and technology.

What is the most intriguing/satisfying thing you've been involved in since you've been at Air Products?
Supporting a large-scale microchip manufacturing facility on a day-to-day basis with sustainability items and future/expansion projects. I enjoy knowing that my efforts with the bulk gas systems keep our customers' facilities operational.

What career advice would you give to those just starting out in their engineering/ IT careers?
Always ask questions. If you don't understand how something works, find someone who does and ask them explain it to you. Try to get involved in projects or activities, even if you have little to no knowledge. Reach out to multiple disciplines. I learned more from the field technicians, plant operators, drivers, etc. than I could have from any book.