Testimonial | AINDT and Carestream NDT Advanced Industrial Radiographic Training Academy

Reinforcing Advanced Radiography Techniques with Hands-on Learning

When the Applus+ team signed up for a training course in advanced radiography techniques offered by Carestream NDT, they were already familiar with the potential of digital radiography in non-destructive testing. Learning in person, however, opened the door to even more possibilities and validated ways in which the team used these technologies.

"We took the training after we played with the system for two years," said Jason Creaser, Technical Lead at Applus+. "So there was a lot of validation for things that we'd learned through experience and through our own research and development. But the training provided theory, and very specific things about Carestream NDT, which is something that unless you took this course you wouldn't have known."

Applus+ is a worldwide leader in non-destructive testing (NDT), inspection and certification. The company works to enhance the quality and safety of its clients' assets and infrastructures, improving environmental performance and protecting operations. The business employs 25,000 people in more than 70 countries.

In the NDT realm, from ensuring pipeline integrity to inspecting welding quality, Applus+ is focused on minimizing operational risks, ensuring process quality and compliance with environmental standards and regulations. For example, some of Applus+'s projects include pipeline inspection in Brazil, a pressure vessel in Indonesia and offshore transfer lines in Colombia. It is widely known for its advanced NDT innovations.

Immersive learning opportunities

The Advanced Industrial Radiographic Training Academy, from Carestream NDT and the American Institute of Nondestructive Testing (AINDT), offers specialized training programs designed to meet the needs of industrial radiographers. Aimed at teaching skills for success in digital imaging, the academy's courses help industrial radiographers and companies that are looking to make the transition from film radiography to digital radiography (DR).

Each course provides students with a technical toolbox of understanding to evaluate, qualify and implement digital technologies into production environments. From hands-on laboratory exercises, instructor lectures and quizzes to utilizing software, students can take advantage of immersive learning experiences.

"The team at Carestream NDT and AINDT did an excellent job of not only teaching us the curriculum but also allowing us to steer some of the training specifically to our applications, which was extremely beneficial," Mr. Creaser said.

The training helped his team learn the ins and outs of technologies in use.

The Carestream NDT and AINDT instructor-led, in-classroom program is designed specifically for technicians transitioning from conventional film radiography. Course content includes in-depth training on topics such as understanding the difference between various DR techniques, computed radiography (CR) system components, image acquisition, digital imaging, and processing and manipulation of digital images. The course also assists with software functionality and standard practices for system testing, performance and requirements for industry.

Since the Applus+ team was able to attend a course together, being able to learn with his colleagues was a boon for Mr. Creaser. "We were fortunate that our team was the entire class. We were able to cater our training to our applications and what we do with them."

For businesses like Applus+ that continue to help clients transition from conventional film radiography, Carestream NDT

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and AINDT's self-paced, 40-hour Digital Detector Array training program is beneficial as well. This course examines the difference between various DR techniques, digital detector array technology, DR system components, digital detector array properties, digitization of film, image acquisition, and digital imaging and processing. It also reviews industry standards and requirements, and complies with the required training hours for industry certifications.

Mr. Creaser considers the Advanced Industrial Radiographic Training Academy a good first step for those eager to learn the skills for success in digital imaging.

"You can never be too educated. You can never be too knowledgeable," Mr. Creaser said.

"There was a lot of validation for things that we'd learned through experience and through our own research and development. But the training provided theory, and very specific things about Carestream NDT, which is something that unless you took this course you wouldn't have known."

Mr. Creaser lists the following as benefits of the Carestream NDT/AINDT training:

- Opened the door to even more possibilities and opportunity
- Validated the ways in which the team used the CR and DR technologies
- The course tailored the training to specific applications for a more personalized experience
- The online format is ideal for a global workforce
- Improving the ability to meet customer needs

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