

FAQ (FREQUENTLY ASKED QUESTIONS)



Q&A

Are the robotic technologies utilized by AETOS intrinsically safe?

No. However, our aerial systems technology allows us to fly outside of classified boundaries while maintaining the ability to gather detailed inspection data.

How is inspection data from the robotic technologies used?

We use MISTRAS Group industry professionals, API inspectors, and NDT technicians to analyze the data, create actionable reports, and follow up as needed. All raw data and computer generated products are provided as well.

Is AETOS approved to work in my facility?

Yes, AETOS falls under all MISTRAS Group contracts and MSA's that are already in place.

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Is there a procedure in place to bring this technology into my facility?

Yes. AETOS has integrated the technology into most facilities so that we can be easily deployed at your site. Our documentation guides the permitting process so that operators and robotic work crews consider the circumstances at each unique operating environment.

What is the benefit of using UAS to conduct a survey?

AETOS uses UAS along with a certified surveyor to conduct 3D volumetric analysis and other land surveys with equivalent or better accuracy than traditional methods. UAS can gather data much faster minimizing time on location and is safer because it does not require a survey crew walking the site.

What type of UAS does AETOS operate and what makes it different than what I see in stores?

AETOS uses military-grade multi-rotor UAS for external aerial inspection. Industrial-grade, purpose built UAS are used for indoor operations. These aircraft use extremely highly engineered parts and matched systems for longevity and compatibility. Redundant systems, continuous health monitoring, and pre-programmed safety logic make them robust.

Can AETOS fly UAS to conduct internal inspection?

Yes. We have specific UAS that are capable of flying in challenging indoor environments such as tanks, vessels, boilers, and stacks.

I have some applications where I think robotics could be used to make inspection safer and more efficient. Can AETOS help make this a reality?

Yes. AETOS is an integrator of robotic air, land, and sea technology for inspection. We have relationships with robotic manufacturers to customize or build solutions to meet your needs.