



GE's Remote Testing Offering for FAT and SAT Testing Fact Sheet

Factory and Site Acceptance Tests are an essential part of the project deployment cycle. To further support customers' continued progress with digital projects, GE has launched an online initiative for remote testing and validation.

[ge.com/digital/customers/digital-energy](https://www.ge.com/digital/customers/digital-energy)

Overview

Running FAT and SAT in the vendor's environment or on site with the customer can be complicated to organize. Even before the COVID-19 Pandemic, travel could be held up by budget, availability, Visa delays, or security concerns. Enabling secure, reliable FAT and SAT remote testing supports project timelines and can reduce development costs. Connecting via live video chat and using the onsite GE engineer's mobile phone for visual confirmation of the equipment, GE's team can successfully run necessary testing. Additionally, with secure screen recording available, testing data and visuals can be retrieved again later or made available to a wider customer audience than previous on-premises testing allowed.





The Remote Testing Advantage

This approach lets FAT and SAT testing effectively adapt to the new, digital way of working. Added benefits include:

- Reduced costs for travel and living expenses
- Greater flexibility for access for those that can't travel
- Expedited process and a potential increase in participation as remote, real-time testing can be done on demand
- Avoidance of re-tests as original test recordings remain available for future review
- Added application opportunities include surveying, support and training
- Ability to easily engage GE, customer or subcontractor specialists remotely if technical issues arise



Remote FAT/SAT Testing Attributes

Whether validating solutions in factory or in the site environment, GE is always seeking ways to better support clients in their day-to-day operations. This online, live feed testing approach requires minimal technical expertise.

Technological Requirements

- Access to multimedia interactive platform on which to perform secure remote Testing/Training (e.g. Microsoft Teams or Skype for Business)
- Internet connection for both phone and computer access on the GE and client side

GE recommends 2Mbps download and 512kbps upload internet connectivity (minimum 512kbps download and 128kbps upload) to ensure quality communication throughout the remote testing. Skype for Business or Microsoft Teams platforms offer Advanced Encryption Standard (AES) based on 256 bits .



Performance Benefits

Remote testing has been piloted in GE customer environments in Libya and Dubai, with those clients also connecting to GE Integration Facilities in Morocco or France. In both instances, the development projects enjoyed:

- Real-time testing results to keep project timelines on track
- Expanded access to the testing process, more flexibly available to employees
- Ease of connection to the remote testing platform
- Peace of mind that testing proof points would be readily available in the future
- Simplification of testing logistics with accompanying cost savings

GE's engineers creatively meet customer demands to successfully drive digital transformation forward. Contact your GE project manager for more information.



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