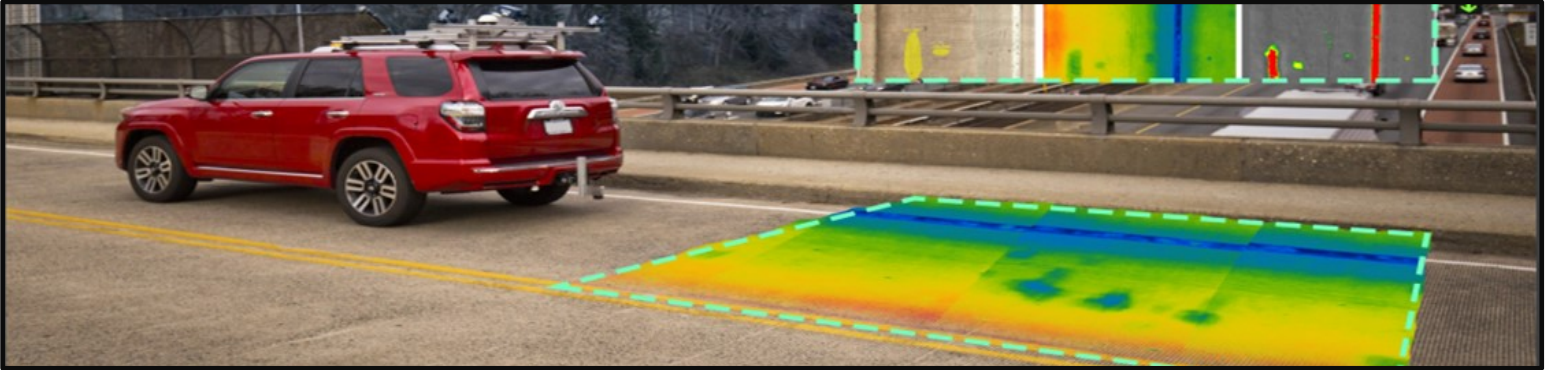


Civil Engineering Research Services

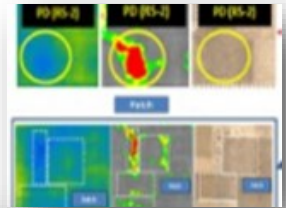
NDE, NDT Technology



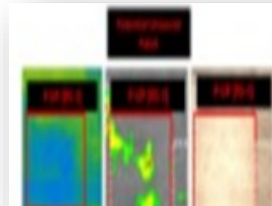
NEXCO-West USA excels in providing research services on civil engineering and transportation topics, with a focus on US and Japanese industry trends. Our core service of providing NDE services shines in our research services on the same topic. Get insight NDE methodologies from our own knowledgeable team and our partners (all industry experts) from across the globe.



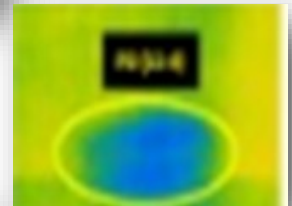
Infrared Thermography (IRT)



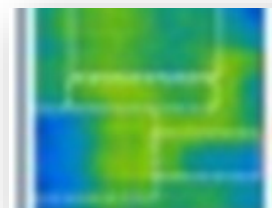
High-Definition Visual Imaging



Ground-Penetrating Radar (GPR)



Ultrasonics



Mobile Applications



Impact Echo, Half-Cell, and More



Our Advantage

We are able to benchmark (compare and contrast) practices in the US and Japan by leveraging our global professional network, our knowledgeable team of engineers, and our collection of information on private and public engineering organizations. By actively using NDE technology on our own structures, as well as servicing client structures with our scanning systems, we have become a one-stop-shop for NDE knowledge.



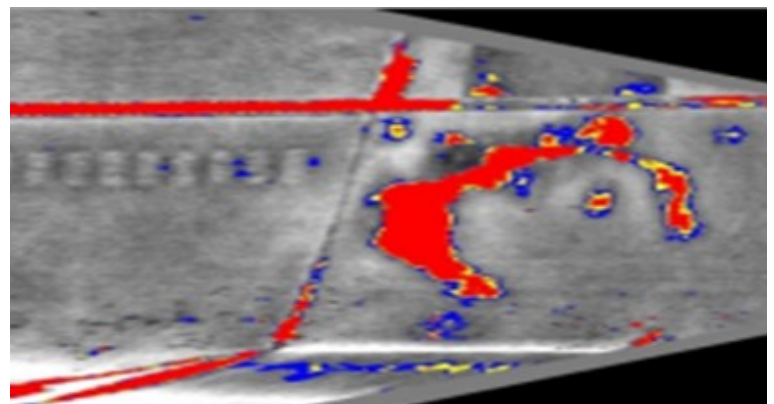
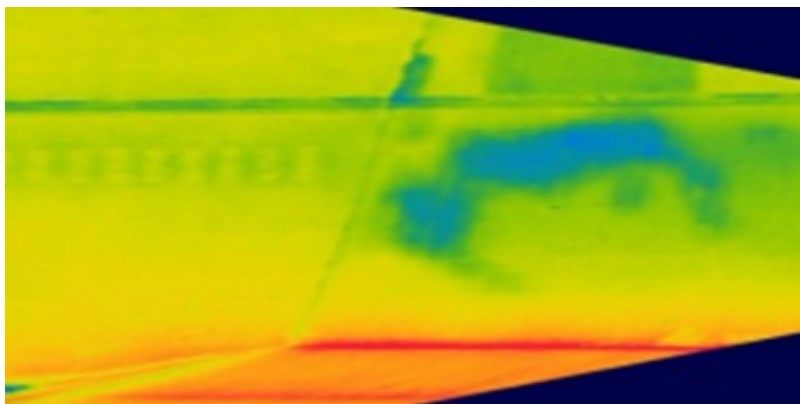
Past Research Projects

Comparative Study of GPR Models

A client from Hiroshima, Japan requested the latest information on what GPR systems would best find corrosion in their bridge decks, which are all covered with bituminous overlays. We traveled to each major GPR vendor and helped the client make a purchasing decision.

Study of Uncooled vs. Cooled IRT Camera Sensors

This collaborative study with the University of Central Florida (UCF) served as a bedrock example for proving the efficacy of our mobile scanning methodology. It showed that uncooled sensors should not be used on a mobile vehicle traveling greater than 30mph.



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