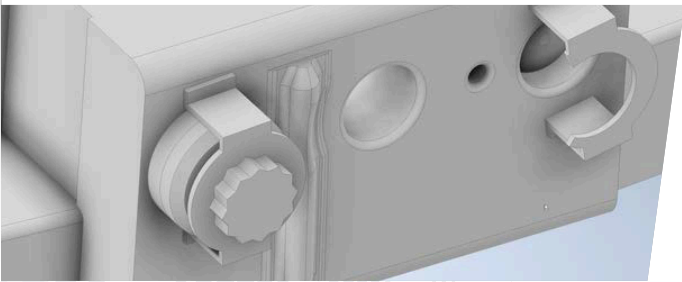
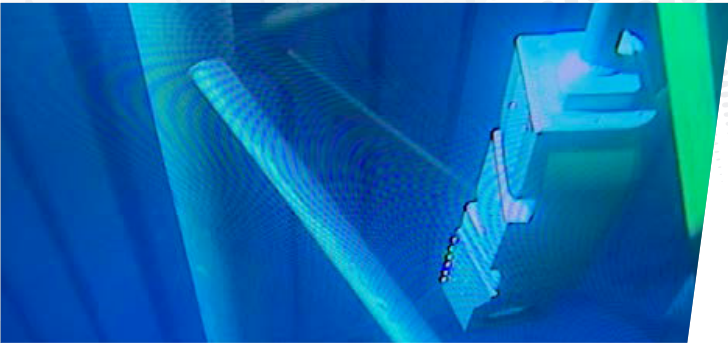


# RCI

## ENERGY SERVICES

PROFESSIONAL • RESPONSIVE • RESULTS



## SOLUTION

RCI Energy Services recommends the adoption of underwater lidar scanners for precise inspection of submerged nuclear power components, offering high effectiveness and accuracy. With an experienced metrology team proficient in conducting underwater scans, RCI utilizes Newton Labs scanners to capture data with precision up to 10 feet away and an accuracy of  $\pm 0.001$ ". These scans have proven invaluable in providing detailed as-built data for critical components, including spent fuel pool racks, cask storage areas, core barrel dimensions, baffle bolt shape and dimension, and clevis bolt shape and dimension.

## CONTACT

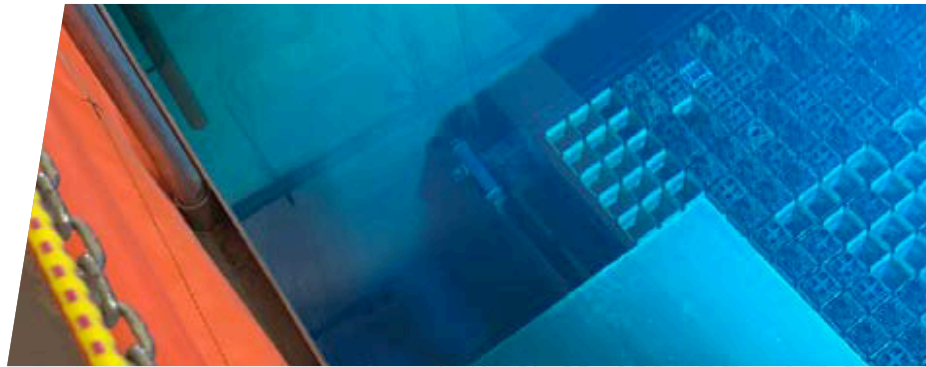
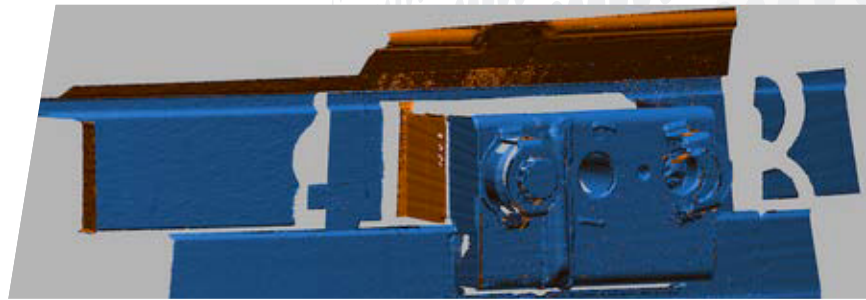
METROLOGY@RCI-ES.COM  
864-710-2083  
www.rci-es.com

# UNDERWATER LIDAR SCANNING

RCI METROLOGY DIVISION

## PROBLEM

The challenge in nuclear power lies in the critical role of water, which both facilitates power generation and serves as a radiation barrier, hindering easy inspection of vital components. Existing inspection technologies are often incompatible with water, particularly affecting components near nuclear fuel. Despite the use of underwater ROVs and cameras, precision for certain tasks remains inadequate, risking unplanned downtime or catastrophic failures due to undetected flaws.



## THE RCI ADVANTAGE

### Experience Matters:

RCI Energy Services leads the field with unmatched expertise in conducting underwater scans and crafting precise 3D models from captured data. Accessing drawings and design information, especially for legacy components, can be daunting and expensive. Dive into our advanced technology and let our seasoned team solve your underwater challenges swiftly and effectively!.