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### **Agency & Point of Contact**

#### **Agency:**

DOE Hanford - Office of River Protection

#### **Prime Contractor**

Washington River Protection Solutions  
P.O. Box 850  
Richland WA 99354

#### **Technical Point of Contact**

Kayle Boomer  
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#### **Contract/Purchasing POC**

Luke Fritz  
Washington River Protection Solutions  
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#### **Location of Work**

Fabrication and Assembly completed in:  
Kennewick, WA, USA

Delivery and Operations:  
DOE Hanford Site, DST AN-107

### **Summary of Statement of Work**

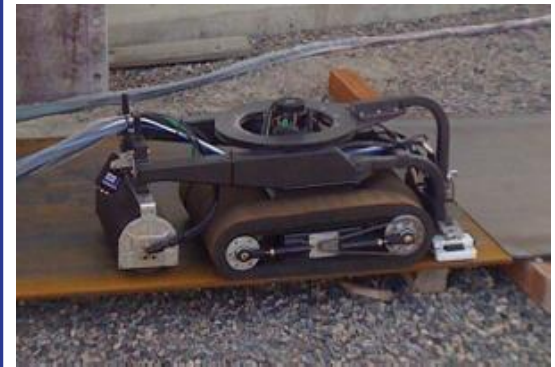
RSE was contracted by WRPS to design build and deliver a turn key remotely operated inspection system for providing a rapid method of finding pits, cracks and thinning of the carbon steel primary tank walls of the Hanford Site Double Shell Tanks.

RSE employed the use of a COTS vacuum based crawler and developed a customized deployment for commercially available Electro Magnetic Acoustic Transducer (EMAT) technology. The complete system can be rapidly deployed through a 22.5" riser and can scan wall surfaces at rates from 30-100 ft<sup>2</sup> per hour.



### **Project Overview**

**Project Name:** WCCS for Double Shell Tank Integrity Project  
**Project #:** 2010-08  
**Contract Type:** FFP  
**Contract #:** 42378  
**Date of Contract:** 6-15-2010



### **Project Status**

Cold Test Facility Demonstration completed. In tank demonstration partially completed, delivered to customer, currently available for operation at tank farms Hanford Site, WA.

