

Header & Steam Drum Repairs

Problem:

Failing tube-to-header rolled joints and leaking Dowtherm Fluid

Complications:

Nominal 16" diameter header, difficult access, long lead time and high expense for replacement header/tubes.

WSI Solution:

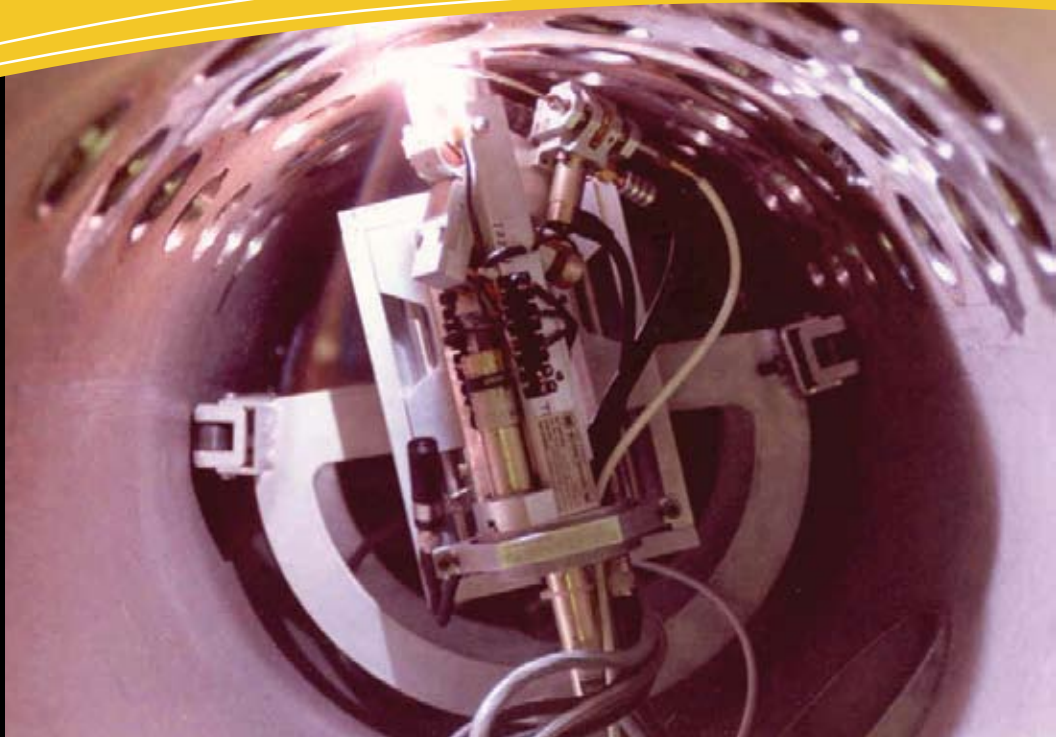
Remotely operated integrated tooling for improved vision, cutting, machining, welding and inspection.

Benefits:

Substantially higher production rates and higher quality levels with consequential reduction in turnaround time.

Bottom Line:

Plant avoided a 9 month lead time on a replacement component and enjoyed an approximant net savings of \$2,000,000.



Tube wear or leakage at the tube-header interface is repairable by a WSI integrated machining and welding system. The remotely-operated, high production system excavates damage as required and applies a GAS TUNGSTEN ARC WELDING (GTAW), build-up in the affected areas. The system can be readily customized to handle a wide variety of field configurations and meet specific repair requirements.