APPLIED ULTRASONICS

Applied Ultrasonics seeks to bring automated or mobile technology to industry, to provide a mechanical fatigue life improvement solution for new/ageing metal structures. Our process allows for the mitigation of stress corrosive cracking, asset life extension and distortion mitigation depending on the application required.

KEY INDUSTRY APPLICATIONS

Refineries

Mining

Military

Rail

Renewables

Manufacturing

Structures

Oil & Gas

Aerospace

THE COMMERCIAL BENEFITS OF UIT



Increasing reliability





Contributing to environmental sustainability goals

Reducing overall costs

Improving safety outcomes

KEY STATISTICS



Average fatigue
life extension when
treated with UIT



No. of years since Applied Ultrasonics started operating 13

No. of countries we've completed projects in



No. of lost time injuries in the last 14 years

A TAILORED APPROACH TO PARTNERSHIP



Project-based machine & labour supply



Machine leasing



Machine & parts sales



Full project scope execution including UIT, welding and weld certification



UIT training and engineering support



Project consulting



Research, development and automation

THE TREATMENT PROCESS



Eliminates detrimental tensile stresses



Quality assurance reports generated



Imparts beneficial compressive stresses

No emissions, low vibration and noise



Elongates and refines the grain structure to improve strength



More comfortable to operate = lowered injury risk

THE TOOLING

Ergonomic and mobile with interchangeable heads to suit the application. Perform UIT in the workshop or on-site in real time.



