



**AILSA RELIABILITY
SOLUTIONS LTD.**

ABOUT US:

Ailsa Reliability Solutions Ltd are an independent organization, specialising in solutions to improve customers reliability and availability of their plant and assets, using the latest condition monitoring equipment and technology available on the market.

With over 20 years' experience in supporting customers, with various services, across a multitude of industry sectors, we know how crucial uptime of process related equipment is to any organisation.

At Ailsa we can test, monitor, analyse, report, and recommend solutions to critical items of mechanical and electrical plant to assure our customers of maximum uptime and availability and reduce costly downtime and unplanned outages, thus increasing customer productivity and profitability.

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CASE STUDY 2021:

ENERGY SAVING FOR CLIENT

The Challenge:

The ARSL engineering team were on site doing a motion amplification demonstration on a customer's site and as we have other technologies within the vehicle, we decided to give some areas of the plant a quick Thermal Survey while we were there to show this technology.

The Solution:

We used our Flir Thermal camera to do a quick sweep of the process. When conducting the survey on the main moisture evaporation unit, that burns an expensive fuel, we found a large heat signature dissipation on the inspection hatches of the external of the unit. This in turn was causing the hot air to escape around the edges of the hatch wasting valuable energy! At the time we asked the plant engineer to tighten the holding bolts as much as possible to see if this changed and it did ever so slightly so we advised the customer to check the seals at the next available outage.

The Value:

The client replaced the hatch seals on all three doors the following week. Fuel usage was then monitored and compared to the previous weekly average to determine if there was a difference. The client calculated a saving of £15,000 per annum that would have been wasted energy, if not found, by using now using less fuel. This find also contributed to increase in energy efficiency in a recent energy audit.