



CARDEV Coolant Equipment Achieves 4 Month Payback For Senior Aerospace Thailand!

After a very successful experience of CARDEV coolant handling equipment in the UK, Senior Aerospace have made a second investment in CARDEV, this time for their new facility in Thailand. In the first 4 months of operation the equipment has generated savings that more than cover the entire capital cost of the equipment, inclusive of delivery and installation.

James Byrom, MD of Environmental Technologies Ltd (CARDEV equipment manufacturer) said:

“It is an honour to be asked to work directly with Senior Aerospace on their latest factory in Thailand; the second Senior site for which we have supplied CARDEV coolant handling and recycling equipment. We know we can offer amazing savings to our customers whilst delivering operational and environmental benefits, but it is always pleasing when the client is able to see this first hand. This confidence often then spurs our customers on to take the next step, or to spread the initiative to other sites in the group. Indeed, we are already working with Senior Aerospace to commission equipment at other locations.”

The Thailand site uses a CARDEV SmartMix to ensure accurate mixing of the metalworking fluids; tight, accurate and repeatable emulsions giving the fluid the best possible start. By reclaiming used metalworking fluid from a swarf-briquetting process, the CARDEV CCS (Coolant Cleaning System) has allowed Senior to reclaim over 20,000 litres of coolant per month, equating to a saving of around 2000 litres (10 barrels) of neat soluble product per month. Capable of recovering up to 3000 litres per day, the CARDEV CCS removes large particles from used coolant, followed by 3 further stages: tramp oil removal, air/ozone infusion (to control bacterial growth) and finally fine particle filtration, before returning the coolant for re-use.



The CARDEV System has allowed Senior to save around **10 barrels** of neat soluble product per month!



The CARDEV SmartMix and CCS link together, controlling the concentration of the recycled coolant and ensuring that fresh coolant is only supplied to the workshop when there is not sufficient recycled coolant available.

Rainer Hoerbst, Export Manager for Environmental Technologies comments:

“We have a great relationship with Senior Aerospace, and they have diligently tracked the financial benefits of our CARDEV coolant mixing & recycling equipment. The financial savings alone (around \$10,000 USD per month) are adequate justification for the investment. There are also considerable environmental savings made, both in terms of reducing consumption of new product and in reduced waste coolant being disposed off-site, all of which results in a reduced carbon footprint for the plant.”



CARDEV CCS Coolant Cleaning Station.



CARDEV SmartMix Coolant Mixing System.



Senior Aerospace's brand new manufacturing factory Thailand.

