The dehum Energy Recovery Solution is installed with no interference to production and offers a rapid return on investment in as little as 9 months.

A standard desiccant dehumidifier will use between 1.2 to 1.4kW of energy to remove 1kg of moisture from the air. In a typical existing installation, around 90% of the rated energy input to the machine is for the regeneration heater.

Here at dehum we have developed a unique way of reclaiming what was waste energy in the process to achieve a proven result of less than 0.9kW of energy per kg of water removal. These results have provided energy savings of around 35% on currently installed equipment. Using our bespoke solution, we can recover around 60% of previously wasted energy, which is then used to pre-heat the incoming air stream, reducing load on the regeneration heater.

This leads to direct energy savings. The actual ROI depends on the costs of the energy recovery system and the installation requirements, which are site-specific.

A survey can be requested which will be calculate the return on investment for your actual installation.

✓ 35% energy savings can be realised
✓ ROI in as little as 9 months
✓ Installed with no interference on production