



## £13,500 savings made through timing controls

### THE CLIENT

The Monier Group is the leading worldwide supplier of roofing materials for pitched roofs, and roof and chimney systems. They pride themselves on offering a quality service and products that express style and create value.

### THE BRIEF

RUMM was asked to investigate energy usage at Monier's Redland site in Rassau, with a view to reducing energy consumption by 10%. This study highlights the savings that were made by simply setting up more effective timing controls on the presses.

### THE PLAN

Following a strategic planning session, RUMM installed an automatic monitoring and targeting (aM&T) system at the site.

Working closely with Plant Manager, Nick Payne and the on-site engineers, regular energy meetings were held to discuss the data analysis results provided by RUMM's sophisticated web-based software.

Data clearly showed that energy was being used ineffectively on the presses. The T300 Press provided an easy savings route as it was being unnecessarily left on over the weekends when not in use. Simply shutting this down meant the heating element and subsidiary devices were deactivated reducing energy wastage.

Examining the timing sequences of the additional 20 presses revealed that they were being switched on too early and for too long. Several new timing sequences were proposed and tested to see which would be the most effective.

### THE RESULTS

Changing the timing of when the presses came on by starting them 2 hours later still allowed them to come to temperature but equated to an annual energy saving of 169290 kWh and a cost saving of £13,543.20. All this with no additional investment or equipment required. Further investigation indicates that improving the insulation on the presses will reduce the heating time even more.

### WHY IT WORKED

The comprehensive aM&T system provided invaluable data which RUMM's intelligent software was able to analyse and clearly identify areas where savings could be made. Working closely with the Plant Manager meant an effective team approach could be applied in order to generate immediate savings.

*"Working with RUMM proved a very positive experience with verifiable energy saving happening early on in the project.*

*Every interrogation of the excellent software revealed more areas for investigation, which more often than not resulted in further savings to be made."*

*Nick Payne, Rassau Plant Manager*

### KEY POINTS

- £13,500k savings by simply altering timing sequences
- High quality aM&T installation
- Rapid reductions achieved
- Specific energy consumption reduced