



**HURIKAN™**  
EMERGENCY INCINERATION UNIT

## Spectrum Environmental (Waste Spectrum) **Hurikan 3000E** Incinerator Control Project.

Spectrum manufactures a range of industrial incinerators, the largest of which is the **Hurikan 3000E**. This is a large portable unit, capable of disposing of twenty cow carcasses in one load. They are designed to be fully portable and capable of being taken to an area of infection no matter where it is, and processing the contaminated bio-waste insitu. This removes the risk of spreading the infection by transporting contaminated bio-waste across the country to a fixed incineration facility.

Spectrum approached Dicondi Limited with a problem. They had a pressing deadline to deliver their first **Hurikan 3000E** incinerator, and required help with the control design and production engineering. This would allow them to divert their valuable resources to other pressing issues. It also removed the immediate need for training on the new technical components required for the design.

Dicondi responded by giving them a fixed quotation with no hidden extras, fees etc. to carry out the required work needed to complete the project on time.

On receiving the order for the project, Dicondi immediately collected all the information and data available from Spectrum through targeted meetings with their project manager and production staff. A constantly and active communications link was established via telephone and email with the key personnel at Spectrum, and as the pressure was on, this remained active well beyond normal working hours.

Through a process of continual assessment of information from component suppliers, Dicondi design, and Spectrum project management, the project was able to develop without any major problems. This process allowed decisions to be made and agreed immediately, rather than building up to form a stockpile of problems.

Dicondi with their experience, were able to critically specify changes to components and highlight pitfalls well before they were reached. This in turn saved valuable production re-work and testing time.

Full sets of production drawings were produced for the electrical control cabinet and the machine (field) wiring. The layout and style of these drawings were assessed and passed by Spectrum's production personnel before the design was completed and issued.

All the component information, datasheets, and extra details determined by Dicondi, were made available to Spectrum during the design process.

Dicondi visited Spectrum's manufacturing facility periodically, to review the production process with the project manager and production staff.

Dicondi also assisted with the PLC programming and debugging process, and were available at all times to give assistance, either over Telephone, email, or by attending site in person to over see any issues that may arise.

On the successful completion of the project, Spectrum was given all the source data in electronic format to allow them to import it into their system for use on the production of the next **Hurikan 3000E** orders. It also gave them the ability to access the source drawing data to add new features and information without having to approach Dicondi. Spectrum retains the full IPR for this product.



