



# Consolution

*"Solutions for a more efficient business"*

➤➤➤ **Case Study:**  
Energy Efficiency Services

➤➤➤ **Customer:**  
Hyperlast Ltd

➤➤➤ **Project:**  
Chemical Plant LV Distribution

## Our Challenge:



Due to increasing electrical load, and non compliance of existing equipment Hyperlast Ltd, part of the British Vita group of companies, placed an order with Consolution for a full turnkey package to remove the existing plant load centre serving sub distribution for the complete chemical factory.

The challenge which we at Consolution had to overcome was to put in place a new LV Plant room above the existing load centre as part of the project with Consolution being responsible for all the LV Board changeover, Sub mains distribution and cable containment plus supporting steelwork and civil construction in addition to the electrical installation.

Furthermore, in line with Hyperlast's energy reduction policy, Consolution recommended that a continuous sub metering system was installed to monitor strategic circuits with high load usage.

In order for plant continuous operation, it was necessary for our expert team to accommodate a phased changeover - meaning both the existing and new LV systems would have to be run in parallel for a period of time, a constraint which Consolution was able to overcome and provide the solutions which Hyperlast required.

'With our industrial knowledge used to discover and implement a new Energy Management Sub Metering system - we are able to differentiate from other marketplayers, whilst saving you money and time'

**John Peace: Managing Director**

## **Consolution Ltd**

Unit 4, Cae Fwtt Business Park  
Glan Conwy  
Conwy  
LL28 5SP

5300 Lakeside,  
Cheadle Royal Business Park  
Cheadle  
Cheshire  
SK8 3GP

**Tel:** 0870 112 6561

**Fax:** 01492 582770

**Email:** sales@consolution.co.uk

## **The Solution:**

Consolution believe that good relationships, high expectations and sustainable solutions are the key to success. This testimonial pinpoints how Consolution provide sustainable options and benefits for organisations.

The upgrade distribution system included: Service of existing LV Transformer and renewal of LV Tails. New Switch room and Full Form 4 Compliant LV Board. Sub Mains Ladder Containment routes and cable renewal throughout the plant. Full Inspection and Testing to BS7671.

Hyperlast maintain an ongoing commitment to Energy Efficiency and Environmental policy: with this in mind Consolution were able to design, build and install an LV Monitoring Panel which measures the individual loads on strategic outgoing circuits, thus providing engineers with vital information on individual areas of plant load usage. Load-View®,

Consolution's in house web-enabled software solution was the preferred choice for Hyperlast for monitoring all sub metered circuits, providing key energy usage data against production operations.