



(4 Module)

TERRALED



ARIALED

Rotherham Metropolitan Borough Council &  
Barnsley Metropolitan Borough Council

OrangeTek - TERRALED & ARIALED



“We have developed an excellent working relationship, this has enabled us to be ahead target for our installation programme and made it possible to realise additional energy savings. I have received very positive feedback from Members of the public and our own installation operatives regarding the OrangeTek LED lanterns. Initial lighting performance surveys have shown excellent lighting levels and uniformity”

**Colin Knight**, Rotherham MBC Highway Network Management Group Manager



**ARIALED**



RMBC & BMBC - Lighting installed by DLO (Direct Labour Organisation)

TERRALED and ARIALED by OrangeTek

To date: installations in excess of 4,500 ME (V) Class units and 3,000 P Class units in just over 1 year. (3 year project – 41,000 units)

## Project Requirements

Rotherham Council is responsible for maintaining and controlling 36,000 units & Barnsley Council is responsible for maintaining and controlling 33,500 street lighting installations on the roads throughout the boroughs. Routine maintenance is carried out by both Rotherham & Barnsley Council's Street Lighting Services who are ultimately responsible for street lighting on their roads.

These Councils, are currently replacing a combined total of approximately **8,000** Main Road Luminaires and **33,000** Residential Route Luminaires with LED lighting units, thus reducing carbon emissions' and increasing energy savings.

## Project Solution

Having conducted a comprehensive tender evaluation reviewing technical, commercial and lighting design offerings from numerous contenders within the market, it was clear that **OrangeTek** was simply the best solution to pursue for the delivery of LED lanterns to meet their overall needs.

Initially OrangeTek **TERRALED** was selected as the preferred lantern for the initial Main Road Tender, that could technically meet all their design needs for Main Road installations (Class ME (V)). On the second Tender for Residential Lighting (Class P) OrangeTek was once again selected, and the **ARIALED** was introduced into the project upon its release.

## Project Developments

OrangeTek continually strives to stay ahead of the market by appropriately investing in Research & Development and regularly implementing improvements or developing new products to meet our customer needs.

So when the new **ARIALED** was released with its improved light distribution and reduced energy consumption, this was an choice, to make use of our next generation improvements and Superior Lighting Solutions.

This project is truly still in it's early stages in terms of the installation programme, and it is anticipated to accelerate at a planned and steady pace. Quickly this shows fantastic energy savings, reduction in Carbon emissions and financial savings at a time when energy prices are expected to continue increasing...

## Savings

Having only replaced a fraction of their inventory with LED lanterns, it is extremely pleasing to hear feedback where they are already seeing significant improvements on their Energy line:

They have already noticed a reduction in their Energy consumption from 13,624,073 Kw/h to 11,820,820 Kw/h over the past 16 months. Accepting that less than 20% of their stock has changed to LEDs

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