

## CASE STUDY

### INDUSTRY & PROCESSING - FACTORY LIGHTING



#### International Bakery Company 2<sup>nd</sup> Site

#### Business Challenge:

Reduce energy use & improve lighting levels

#### Products:

AM&T, LED

#### Savings & Benefits:

- 65%+ Lighting Energy Saving
- LUX levels more than doubled
- CIBSE standards exceeded
- Sister installation Won the National Lighting Energy Impact Award 2016
- Significantly enhanced working environment



#### THE CHALLENGE:

- Large & complex food factory – significant amounts of processing equipment & complex access issues
- Existing lighting failing to meet CIBSE and modern H&S standards
- High energy consumption; significant legacy maintenance issues
- Consulting-led approach; Programme managed for Client
- Full energy analysis performed, including baseline metering
- Wide-ranging series of interventions recommended; LED starting point

#### THE SOLUTION:

- Metering & Monitoring – automated AM&T – proof of business case – subsequently adopted on process line basis
- Full site LED retrofit to include office, welfare, processing and manufacturing zones, perimeter and car parks.
- LUX more than double on average, to exceed CIBSE requirements
- After being awarded the Lighting Energy Impact Award for the first factory it was a natural progression to have us complete this second site



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