

## CASE STUDY

### INDUSTRY & PROCESSING - FACTORY LIGHTING



#### International Bakery Company

**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
- **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
- LED Lighting upgraded throughout entire site, fully designed & project-managed by PES
- LUX more than double on average, to exceed CIBSE requirements
- Client chose PES as its one-stop-shop long term energy and waste reduction specialist; Second factory in the group being converted by us



Packaged Energy Solutions Limited  
288, Bishopsgate London EC2M 4QP  
t: +44(0) 207 959 3066 w: packagedenergy.com

