**Project Location:**
Lady Lane Industrial Estate, Hadleigh

**Project Type:**
- Refurbishment
- Remodelling
- Extension
- New Build
- Demolition

**Client:**
Challs International

**End User:**
Challs International

**Project Value:**
£2 million

**Project Duration:**
2 years

**Main Contractor:**
Mixbrow Construction

**Services Contractor:**
Ceetech

**Services:**
- Mechanical Engineering
- Electrical Engineering
- Carbon + Energy Design + Management

**Completion Date:**
July 2017

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**The Brief:**
The client’s brief asked for an extremely energy efficient building which was also an architectural statement. A modern and flexible industrial working environment needed to be created with natural ventilation where possible.

**The Scope:**
We delivered design advice through to the final use review. Our energy modelling team worked with the Architect to provide as much natural ventilation as possible in a building with low ceiling height. The design of a rainwater harvesting ring-main between the client’s two buildings resulted in cost and carbon savings. Efficient, low energy lighting was installed throughout the office and industrial spaces.
The Result:
We were appointed to work on this project through recommendation by the Architect and Project Manager. Co-ordinating between the client, their specialist contractors and site contractors, we translated the client’s wishes into a practical building installation. For the majority of the year, the office building can be naturally ventilated. A significant amount of automation, both electrically and mechanically, was introduced in order to meet the brief and to enable the client to have a suitable working environment.