

# CASE STUDY

## Exactaform



A State of the art new head quarters

### THE BRIEF

Relight were brought into the project as part of the overall design team to help with the lighting for all the front of house areas, offices, factory / production areas and externals.

We were asked to design with not only a high level of controllability and reduced power consumption in mind but also with reference to their innovation and creativity as a company.

*“Relight designed an elegant lighting arrangement which coordinated with and enhanced each of the different spaces within the building. The bespoke design carefully considers the requirements of each area and has resulted in lighting effects both dramatic and subtle, where people enjoy working. Re:light add creative and practical ideas and are a pleasure to work with.”*

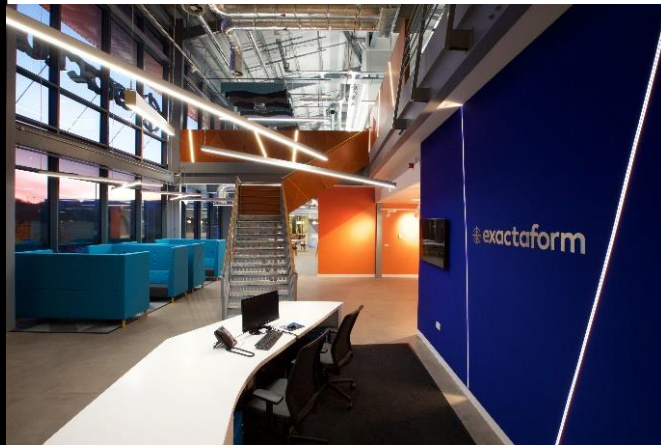
*Spencer Back, lead architect, Designscape Architects*



...making light work

### THE SITE

Exactaform are a large and established engineering firm based in the midlands. They had outgrown their existing facilities and built an exciting new HQ and production facility near by.



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# THE SOLUTION

## ENERGY EFFICIENCY AND CONTROLLABILITY

It was decided that all light sources should be controlled via a DALI protocol using both daylight and presence detection. Using this approach light fittings could be dimmed to 10% on standby and then raise up to full output when sensors detected movement. This would then reduce back to the 10% default level after an agreed time. Daylight linking worked very effectively as the whole of the front elevation of the building where the offices are situated is glazed. This whole approach was successful as the building operates shift working patterns and is in constant use throughout the whole day but with occupation spread unevenly through the building.

## LOOK AND FEEL – EXPOSED CEILINGS AND SERVICES

With all ceilings and services being left exposed and the first floor roof being pitched suspended fittings were employed. In the atrium / reception hall linear fittings were dropped from the double height space to seating areas and were set out at different angles which was reflected in the vertical lighting in the walls. Suspend track with high output LED projectors supported the light levels. In office areas long linear fittings ran along the lengths rows of desks and sat parallel to the roof structure with special acoustic hood pendant being used over meeting tables and breakout areas to afford some privacy. In the café area small linear LED fittings were built into the vertical acoustic babbles and light levels were supported with pendants.



# THE RESULTS

