



Estimated 80% of today's
buildings will still be here in

2050 80%

Tridonic UK has created a new market approach called Building Asset360 to meet the challenges faced by Asset, Estate, and Facility Managers, and generally clients trying to manage their lighting assets.

Our Building Asset360 approach focuses on the operational phase of the building life cycle and views the lighting luminaire as a building asset much like a boiler or an Air Handling Unit that provides data on its health and performance.

Modern buildings have an average lifetime of 65 years that falls within the operational phase. Within this phase, the maintenance, operations, and the additional cost of the people involved to carry out these processes equates to 92% of the overall cost of a building (as demonstrated on the RIBA model above) making this stage the most significant phase in a building's life cycle when considering the overall cost of a building.

Tridonic's Building Asset360 has targeted this phase specifically to provide the most benefit to Building Owners, Facilities Managers and Building Occupiers by reducing the costs involved in this phase through predictive maintenance, wireless emergency testing and more energy efficient lighting.

TRIDONIC



**Building
Asset360**

Tridonic UK Solutions Overview

Making light work

for buildings, business and people

If you are interested to learn more from the partnerships Tridonic UK has developed send your interest to simon.blazey@tridonic.com



Headquarters

Tridonic GmbH & Co KG
Färbergasse 15 | 6851 Dornbirn, Austria
T +43 5572 395-0 | F +43 5572 20176
www.tridonic.com | sales@tridonic.com

TRIDONIC

Tridonic UK

Luminaires are a building asset

It's not just about illuminating a space.



The Tridonic Building Asset360 market approach is suitable for all types of buildings and is totally focused for a retrofit approach.

Within this model Tridonic have looked at six key areas:

01 SUSTAINABILITY

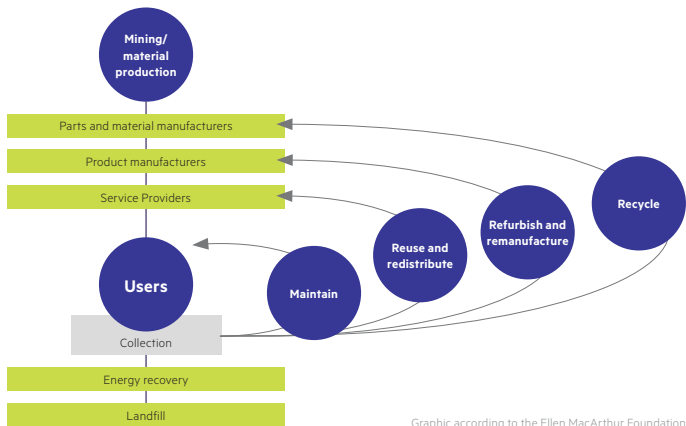


Net Zero Carbon

A whole life consideration.

Building Asset360 and Net Zero Carbon are linked by their whole life approach. The best way to Net Zero Carbon from Lighting is maximising the use of the Lighting Asset as described best by the World Green Building Council (WGBC).

The WGBC makes clear the best path to lowering embodied carbon to raise the overall sustainability of buildings is to maximise the use of existing assets and to explore opportunities to avoid construction altogether.



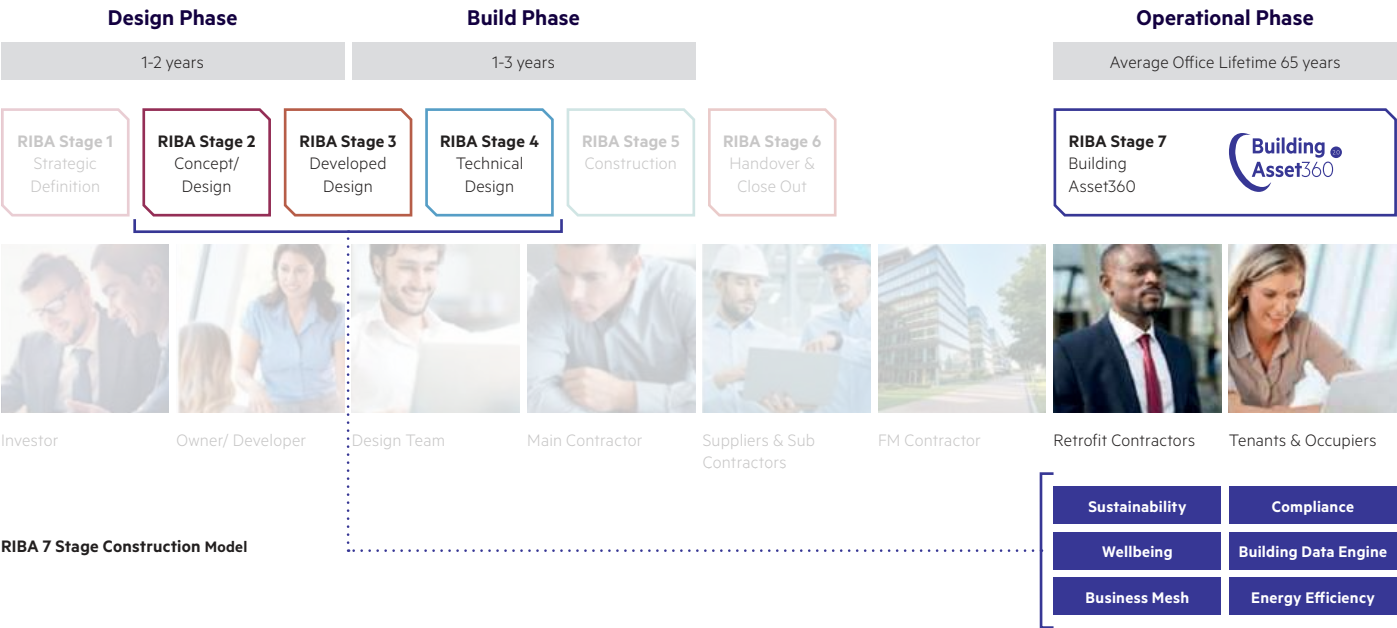
Graphic according to the Ellen MacArthur Foundation

02 ENERGY EFFICIENCY

Building Asset360 is an integral part of the luminaire being an **energy efficient** asset.

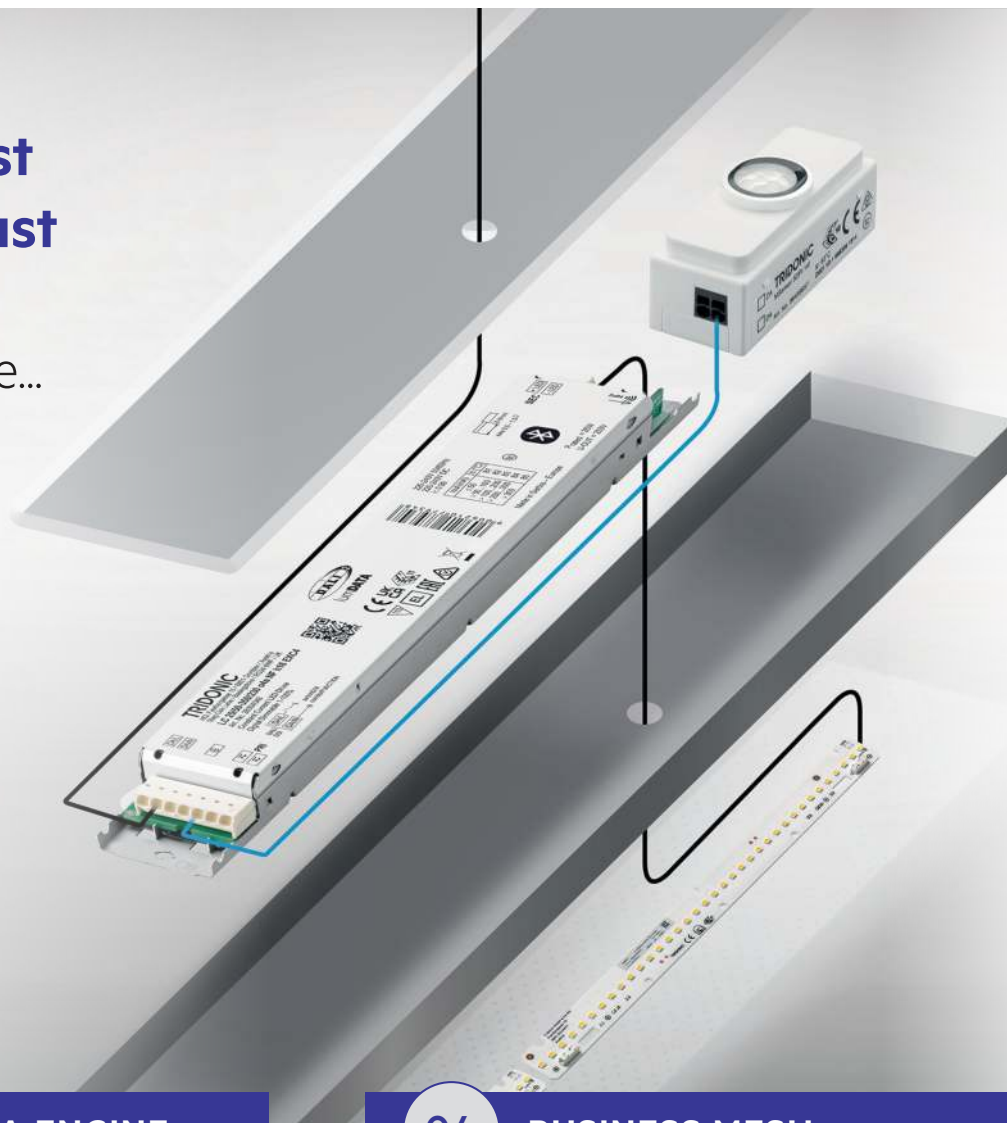
The Generation4 platform has achieved a typical efficiency rating of 92.2% an increase from previous generations highlighting our drive to continually progress year on year towards more sustainable lighting solutions.

Lifecycle of a commercial building:



Luminaires must be more than just something that illuminates a space...

TRIDONIC Building Asset360



03 BUILDING DATA ENGINE

Building Asset360 understands the luminaire as one the **building data engines**.

An essential factor in Building Asset360 revolves around the concept of luminaires functioning as Building Data Engines. This is enhanced through the integration of Casambi-enabled wireless control technology, coupled with our Generation4 drivers.

Data Specifications:

DALI Part 251 - Luminaire Data
DALI Part 252 - Energy Data
DALI Part 253 - Diagnostics Data



Asset Data can be utilised to accelerate maintenance.



Energy Data can be utilised to compare controls strategies.



Fault & Diagnostic Data can be utilised to enable condition based maintenance.

04 BUSINESS MESH

Building Asset360 sees luminaires as part of a wireless interoperable **business mesh**.

BuildingAsset360 sees luminaires as part of a business wireless interoperable mesh. The lighting wireless mesh allows other devices to be added to the mesh that provides greater value than just lighting inside a building.



Building Asset360 sees a luminaire as part of a business **wellbeing** strategy.

Tridonic's latest driver technology in Gen4, are now complete with Tunable White and Human Centric Lighting empowering our clients luminaires to change lux levels and temperature ranges in order to generate the desired environment. Lighting temperature, intensity and brightness are influential metrics on the health and wellbeing of people utilising the different spaces within a building.



Warm light for evening

Customer experience and relaxing atmosphere.



Cool light for mornings breakfast

to embrace a new day.

Building Asset360 is a key element of a business **compliance** strategy.

Bluetooth mesh network

Fully automated wireless emergency lighting solution that forms part of the wireless business mesh for compliance.



Product of the Year
Nominated
sceneCOM EVO

