



TRANSACTION  
TRANSFORM  
RUN  
RECYCLE



# Intelligent Building Solutions

Remotely manage and reduce energy consumption with IoT

Together with



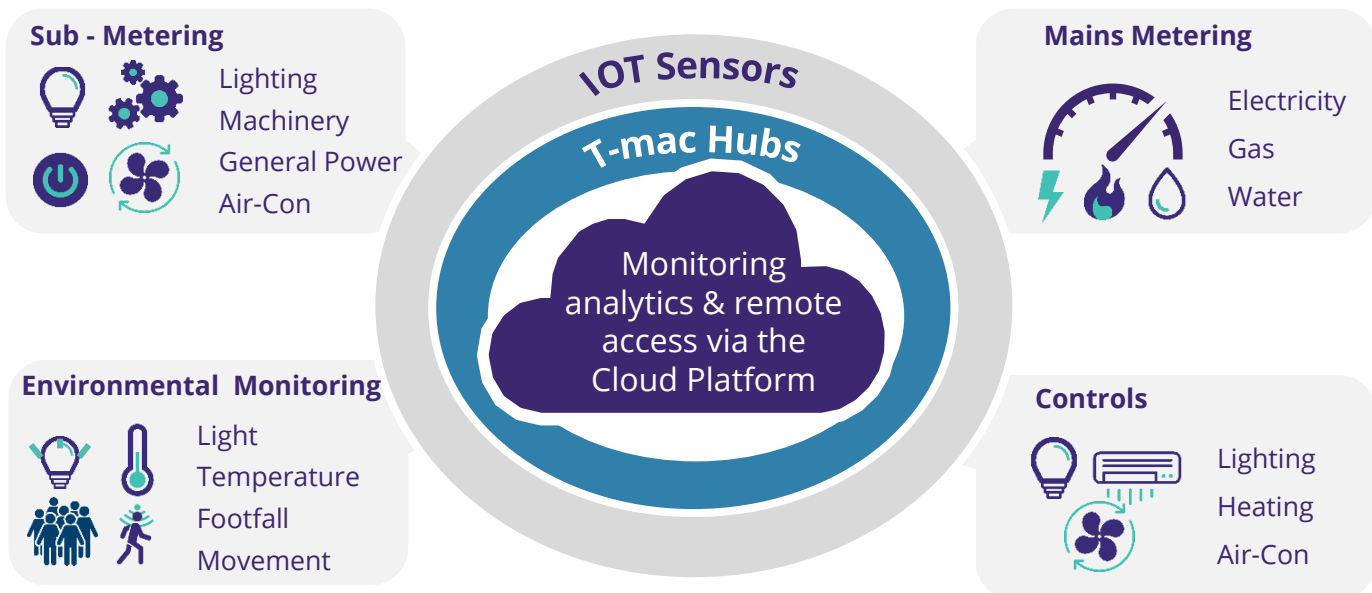
# Overview

**A properly functioning Building Management System (BMS) is crucial to minimising energy consumption. However many organisations are running out of date systems or do not have a BMS believing them to be too costly to integrate.**

This leads to inefficiencies in the day-to-day running of their premises. Typically businesses use multiple suppliers to provide their utilities, each with its own hardware, software and data systems, which operate independently, unable to connect to each another.

This means that many operators are working blind without the ability to holistically monitor and optimise their buildings' systems energy consumption. This results in higher costs and increased carbon waste.

IoT can play an important role in solving this problem. Sensors that allow data gathering and understanding of a wide range of systems can help managers create policies and implement automated control strategies to manage consumption and waste. These controls offer major savings and a comprehensive understanding of the systems within a building.



Our end to end solution consists of devices, real time business intelligence, management and automation. This drives operational efficiencies, reduces 'time to act' to events and provides audit and compliance information to support commercial billing.

# IoT Building Energy Management

**Bell Integration is working with t-mac Technologies and O2 to provide building energy management solutions, which help businesses to remotely monitor, manage and reduce energy consumption and costs across multiple sites.**

Once installed, the system gathers real-time metering data from multi-utilities, as well as sub-meters, for activity areas such as lighting, heating and air conditioning.

By connecting sensors, such as temperature, pressure and lux (light), the t-mac system monitors environmental conditions, instantly visualising energy consumption per site.

t-mac expands into a building management system (BMS) for remote control of internal equipment performance and use.

With control mechanisms in place, t-mac helps businesses reduce consumption by ensuring energy intensive equipment is only being used when required; and devices (e.g. air conditioning and heating) are not being used simultaneously.

Users log on to the t-mac cloud platform to view, analyse, identify, compare and report on energy management activities, as well as view, implement and amend control strategies.

Remotely manage building systems and reduce energy consumption



Connect to multiple IoT sensors with the t-max hub



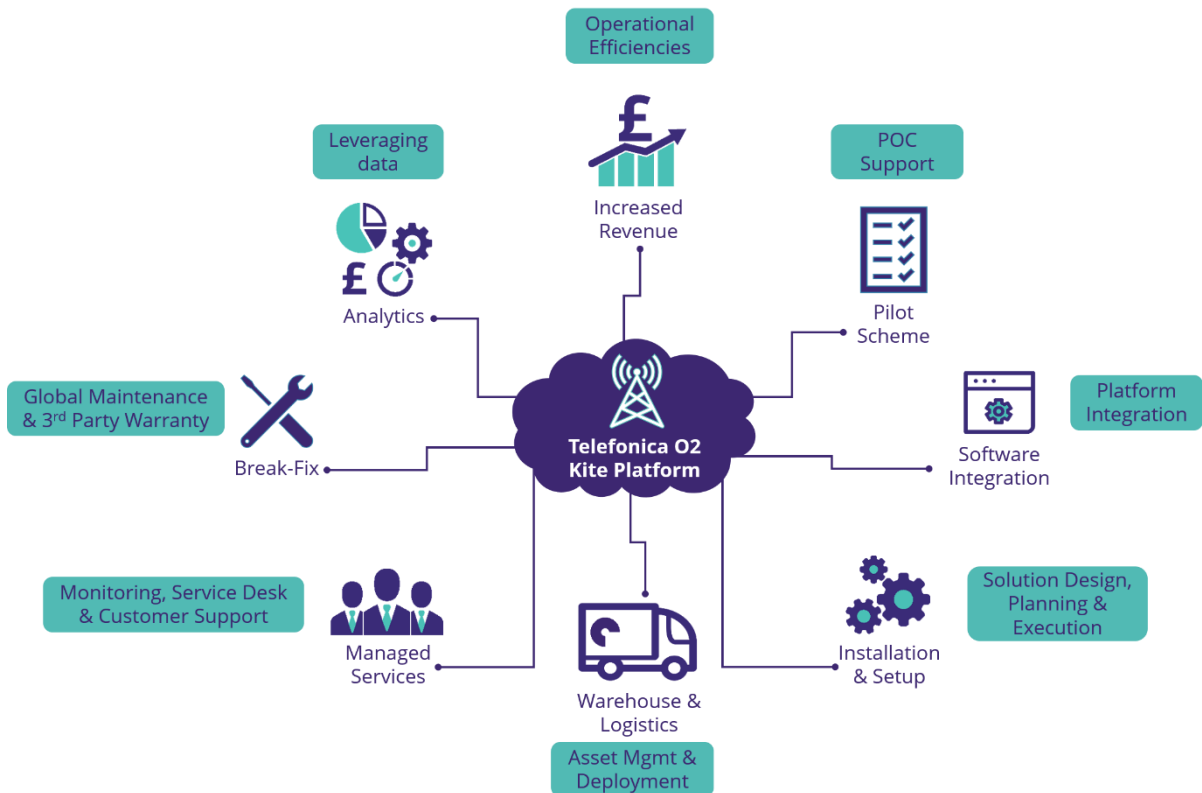
Transform big-data into real-time energy insights and control building management systems remotely

- Additional sensors, products and services available
- Real time analytics and alerts
- Cloud based control platform

# How Bell Integration Can Help

**Delivering value from a connected world of things requires internet connected solutions. Working with O2, Bell Integration brings the experience in building supply chain ecosystems that enables you to deliver faster scalable solutions in an ever-evolving world.**

## We Deliver An End To End IOT Capability



Bell Integration distinguishes itself by not simply being a device manufacturer or a standalone service management company.

We deliver an end to end capability, from procurement, asset management, logistics, deployment and ultimately customer support in a multi-vendor world. We have over 20 years' experience in this capability.

## Contact

### LONDON

12 Moorgate  
London  
EC2R 6DA

T +44 (0) 2392 825925

### PORTSMOUTH

New Hampshire Court  
St Pauls Road  
Portsmouth  
PO5 4AQ

T +44 (0) 2392 825925

### STEVENAGE

Suite 204  
Kings Court Business Centre  
London Road  
Stevenage  
SG1 2NG

T +44 (0) 2392 825925

### WOKINGHAM

Oaklands Business Centre,  
Saxon House,  
Oaklands Park,  
Wokingham  
RG41 2FD

T +44 (0) 2392 825925

### PORTSMOUTH

Unit 8 Discovery Voyager Park  
Portfield Road  
Portsmouth  
PO3 5FN

T +44 (0) 2392 825925

### SINGAPORE

Bell Group Asia Pte Ltd  
30 Cecil Street 14-01  
Cecil Street Equity Plaza  
Singapore 049705

T +44 (0) 2392 825925

### GLASGOW

Suite 11, Sky Hub  
Skypark management Suite  
Skypark 1, 8 Elliot Place  
Glasgow, Lanarkshire  
G3 8EP

T +44 (0) 2392 825925

### HYDERABAD

Bell Integration T/A  
Choose Portal Pvt Ltd  
1st Floor, Krishe Sapphire  
Madhapur Hyderabad,  
Telangana, 500081

T +44 (0) 2392 825925

### SINGAPORE

Bell Group Asia Pte Ltd  
109 North Bridge Road  
05-21 Singapore  
179097

T +44 (0) 2392 825925

### KRAKOW

Bell Integration sp. z o.o.  
Kurniki 9,  
31-156 Kraków  
Poland

T +44 (0) 2392 825925

See how Bell integration can help your business succeed.  
Please contact us on [marketing@bell-integration.com](mailto:marketing@bell-integration.com) or  
visit [www.bell-integration.com](http://www.bell-integration.com)