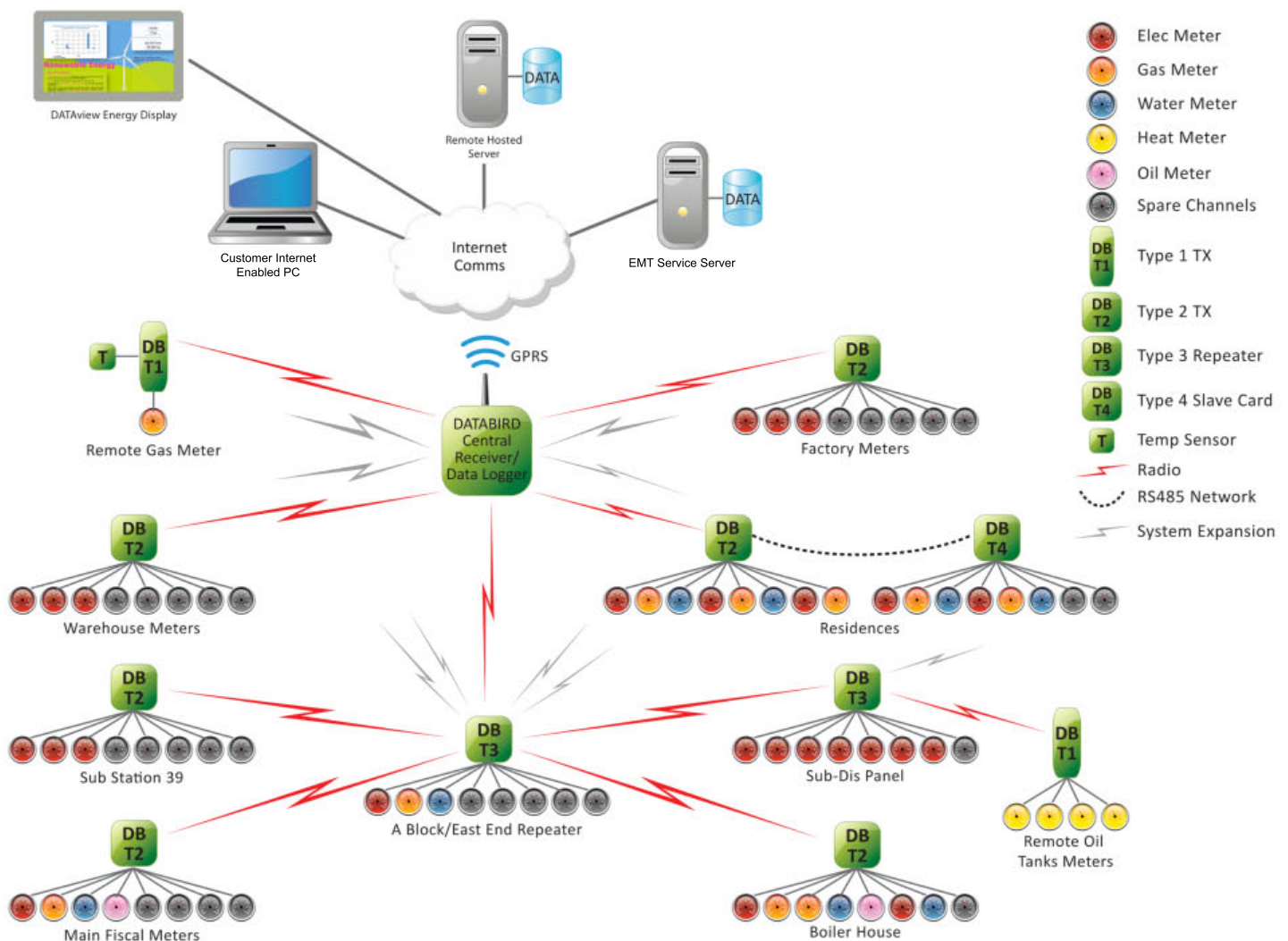


# How the DATABIRD System Works

## DATABIRD

The DATA BIRD system has flexible low power radio and hard-wired communication modules to enable meters on any shape or size of building or estate to be automatically read. The modules include battery powered, low range transmitters (DATA CHICK – Type 1), solar and mains powered high range transmitters (DATA BIRD – Type 2), high range repeaters (DATA BIRD - Type 3) and hardwired “slave cards” (Type 4) that send meter reading data to a central DATA BIRD receiver/data logger.

The monitoring interval is normally set at 30 minutes for all meters.



The system is very ‘Lego like’ in its architecture; once the ‘base plate’ is laid, the system can be expanded on a modular basis to cover any number of meters and sites for any common multi-utility form e.g. electricity, gas, water, heat, oil, steam etc.

A DATA BIRD central receiver/data logger receives the meter data (“meter reading”), time and date stamps it, and stores it in a “buffer” data logger memory; typically 28 days worth of data for the entire system is stored. A PC/server loaded with EMT’s DYNAMATplus meter data analysis software would automatically and systematically download the data from the logger via the internet, by GPRS thereby allowing anyone with correct log-in and passwords and internet enabled PC, to get access.

# How the DATABIRD System Works

## DYNAMATplus

DYNAMATplus is EMT's meter data collection and analysis software program that is extensively used throughout the UK both with EMT's own DATA BIRD AMR hardware and others.

DYNAMATplus has many features including both standard analyses expected of any M&T program but also proprietary utility wastage identification and billing modules. It can receive meter data automatically from the DATA BIRD system, by manual input and by file transfer from, say, an EXCEL spreadsheet.

## DYNAMATlite

DYNAMATlite is for users requiring a less sophisticated 'viewing window' into DYNAMATplus. It has been designed for users who only require a basic assesment of utility consumptions and costs. It is browser based and easy to use, incorporating the following simple features:

- Import of crude 'half hour' data set, export of calculated data
- Graphics including consumption, carbon and utility costs profiling
- EMT's 'self learning'. TRACKER targeting and simple cost calculations.

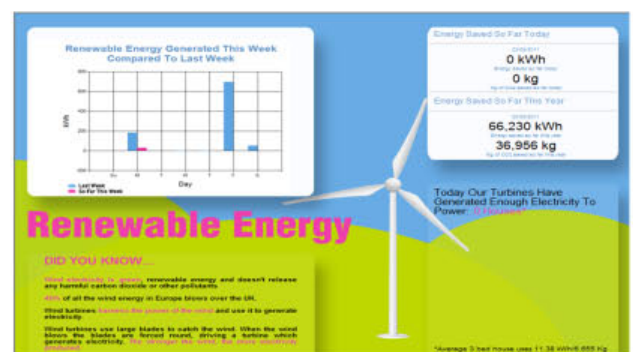
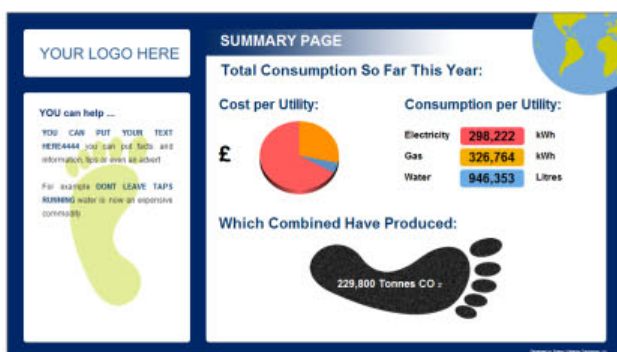
## DATAview

DATAview is the latest addition to our DATA BIRD/DYNAMAT turnkey aM&T systems and solutions. DATAview enables our clients to display screen views which include:

- Bespoke design of energy screen displays
- Standard energy screen displays
- Automatic and continually updating screen views Multiple split-screen data views
- Alarm visuals easily displayed
- High PR value when displayed in public areas
- Encourages staff and customer buy-in to the sustainability process

The screens can be used for displaying data in a huge variety of different designs and formats. The screens can be used in a selection of public places, from Airport lounges to coffee rooms and is the perfect way to show off your energy savings and achievements to your customers, visitors and the public.

Each screen can contain data, pictures and facts of your choice and can even contain videos and/ or music.



Further details about our products are available on our website [www.energymeteringtechnology.com](http://www.energymeteringtechnology.com)