t-mac
technologies

> **virtual
t-mac**

> Virtual t-mac enables businesses
with existing third party equipment
to benefit from t-mac's dynamic
online software.

Virtual t-mac utilises cutting-edge technology to extract valuable information from third party devices. Data is stored in t-mac's central database for viewing through the online software.

Virtual t-mac's sole purpose is to bring data from existing platforms such as BMS and AMR, SCADA and Production Software into the dynamic online software suite without the requirement for additional hardware. It enables organisations to leverage prior investment in BMS hardware to provide a cutting edge analysis tool for today's requirements.

Data sources can include third party equipment such as building management systems providing information on metering and environmental conditions, as well as plant/equipment and building performance. AMR providers and data collectors can programmatically link half-hourly day+1 metering data from HH and NHH meters to the software package.

Making energy management a 'virtual' reality

Data collected is stored on the t-mac central server and accessed through the online software suite. Viewing data in a range of formats from dynamic dashboards and showcasing displays, to energy analysis and building controls platforms.

Bringing data from different sources into a single online software platform, Virtual t-mac is designed to help businesses reduce costs, manage energy consumption and showcase savings.
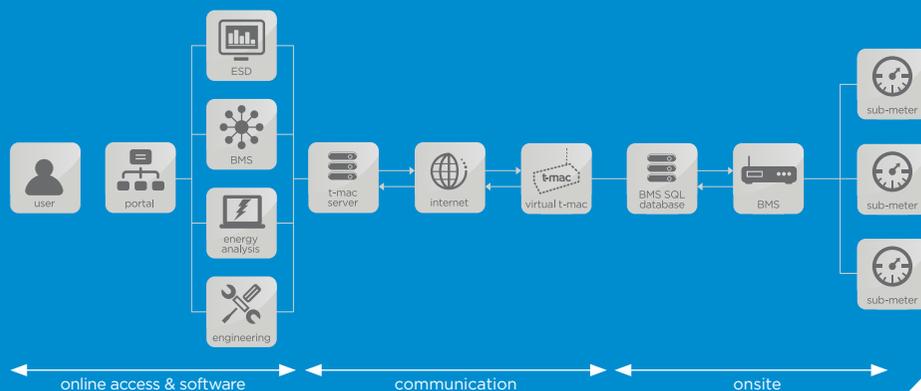
Virtual t-mac can sit alongside the standard t-mac mini BMS and real-time metering systems for seamless integration of multiple hardware platforms into a single energy management proposition.

Considering variables

Virtual t-mac also considers other variables and influencers on a building's energy consumption; variables such as weather, footfall and occupancy as well as performance information such as sales and production figures, all of which can be seamlessly linked into the database for analysis alongside metering profiles.

BMS

SCADA

AMR

production

software suite

Virtual t-mac system: architecture

user

portal

ESD

BMS

energy analysis

engineering

t-mac server

internet

virtual t-mac

BMS SQL database

BMS

sub-meter

sub-meter

sub-meter

online access & software

communication

onsite

➕ Overview

- No requirement for additional hardware

- Bringing data from many sources into a single platform

- View data in a range of dynamic software

Reduce energy consumption and cost

The t-mac energy management system enables businesses to view energy data across both smaller and larger sites and take data from new and existing hardware platforms.

Many businesses continue to underestimate the energy spend associated with equipment and building performance and how much can be saved through an effective energy control strategy. Being able to see when and where you are using energy enables you to identify opportunities for improvement.

Virtual t-mac provides you with important insights into your energy profile and enables you to make proactive changes to equipment and building performance in order to reduce energy consumption and cost.

➕ Overview

- Automatic reports
- Energy and Cost profiles
- Summary consumption
- Targeting
- Instantaneous statistics
- Baseline alerts
- High consumption alerts
- KPI functionality
- Weather variables
- Footfall and FTE
- Production/SCADA