



ADVANCED SOLUTIONS  
ENABLING COMPRESSED  
AIR SYSTEMS TO BE  
EASILY AUDITED

[WWW.SCADAR.EU](http://WWW.SCADAR.EU)



**SCADAR**



# SIMPLIFYING COMPRESSED AIR ANALYTICS AT EVERY CUSTOMER LOCATION

SCADAR™ from CMC offers market-leading, innovative and technically advanced solutions that streamline traditional compressed air system audits.

Harnessing unrivalled in-house technical expertise and cutting edge development capabilities, we work as a strategic analytics partner to compressed air equipment manufacturers, resellers and service providers across Europe, the US and other international markets.



## SEAMLESSLY INTEGRATING ROBUST HARDWARE AND SOFTWARE PLATFORMS

The success of SCADAR™ has been built upon a unique ability to seamlessly integrate our own robust processor and input/output hardware platforms with a comprehensive software library to provide a bespoke compressed air auditing solution.

### SCADAR™ DATA LOGGERS

Collects and stores information relating to equipment current, volts, power factor and kW, pressure, temperature, moisture dew point and flow

### GAIN MORE FROM THIS BROCHURE

Download the FREE CMCAR App to your smart device. Once installed, open the app and point your device at pages showing the icon (see right), for an interactive experience and better insight into SCADAR™ products.



## STREAMLINING DATA COLLECTION, IMPROVING ANALYSIS

First, our SCADAR™ data loggers incorporate high quality sensors to collect and store information relating to a system's pressure, temperature, moisture dewpoint and flow rate. In addition, our current and voltage loggers enable true power to be accurately established.

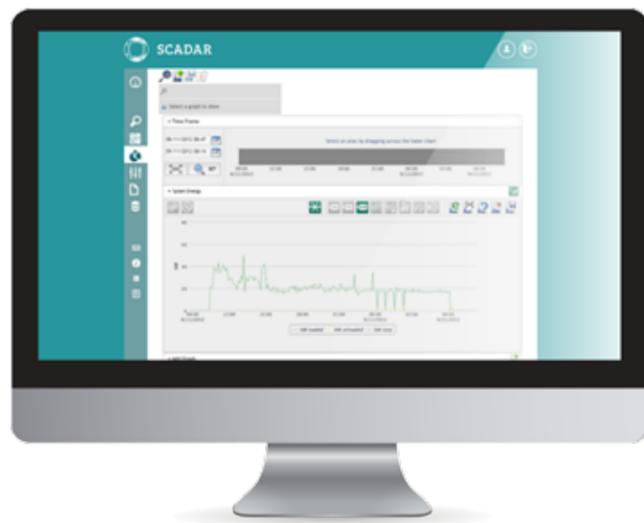
The very latest bluetooth technology then enables this information to be effortlessly transferred from up to 20 data loggers to a single, intelligent SCADAR™ base station.

In turn, the base station transfers this data to our SCADAR.NET cloud computing platform. Here, it is encrypted and stored so that it can be securely accessed and interrogated by users 24 hours a day.

### CUSTOMERS TAKING ADVANTAGE OF SCADAR™ TECHNOLOGY BENEFIT FROM:

- > Technically advanced analytics solutions tailored to their specific individual requirements
- > Simple compressed air system data collection
- > Wireless transfer of data
- > The ability to quickly chart, graph and prepare professional audit reports through a user-friendly online wizard tool

# UNIQUE APPLICATION EXPERTISE WITH PROVEN HARDWARE AND SOFTWARE PLATFORMS



SCADAR™ provides customers with the reassurance of working with an experienced, market-leading analytics partner positioned at the very forefront of technology. Combining unique application expertise with proven hardware and software platforms to deliver the complete, value-adding analytics service

## EVALUATING REQUIREMENTS

Whilst developing SCADAR™, we took time to carefully evaluate traditional compressed air auditing procedures.

Once these were clearly understood, our analytics specialists began to formulate a solution that made things simpler.

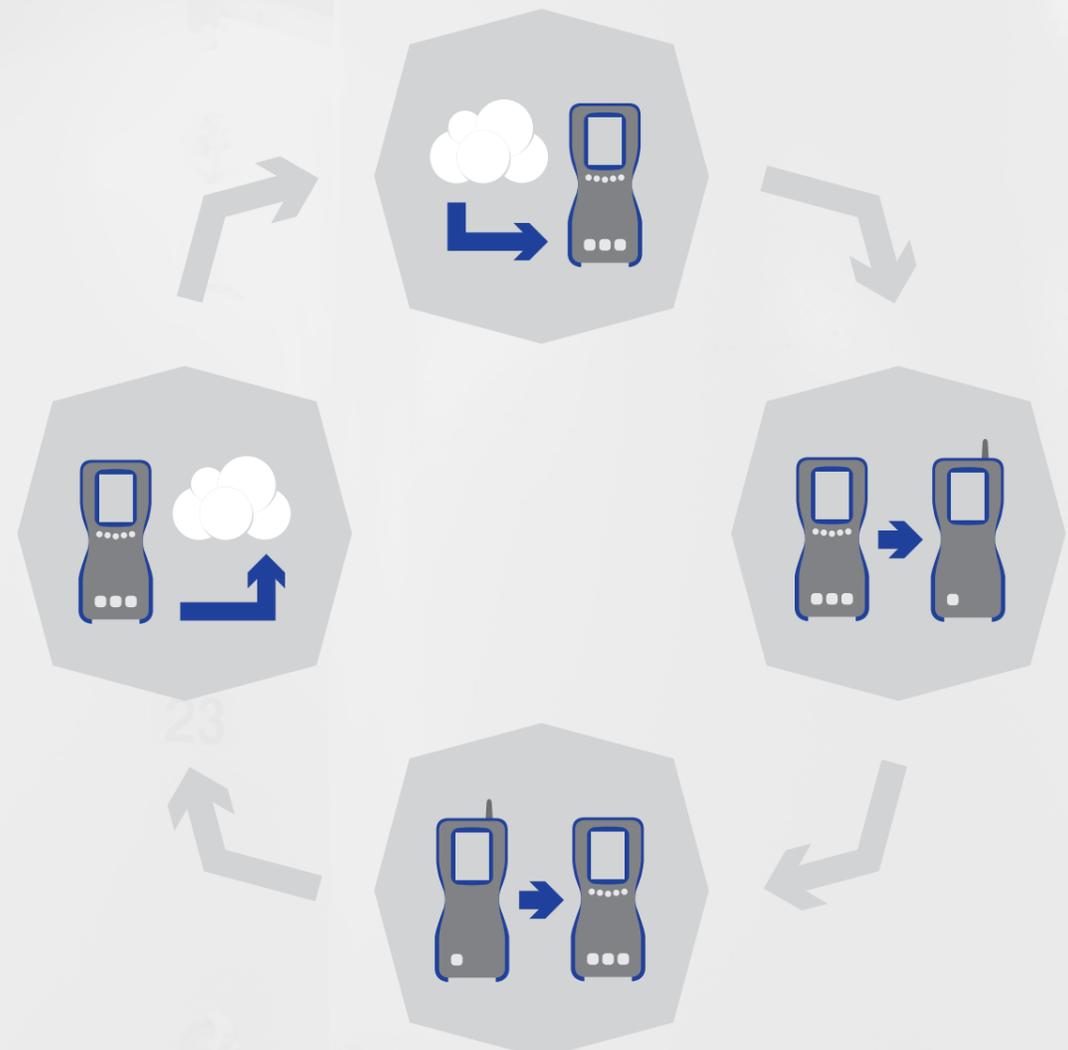
## PLC HARDWARE ENGINEERING

We are vastly experienced in the development of processor and input/output hardware platforms.

This expertise has enabled us to manufacture a range of SCADAR™ data loggers that feature precision sensors, 16 bit A/D electronics, the capacity to securely store over 1.4 million samples, a sample rate of 1

second and a real time accuracy of <0.4 seconds in 24 hours.

Powered by 110-240v AC mains or replaceable batteries that can offer an incredible working life of two years or more, our data loggers record information on pressures up to 60 bar (870 psi), temperatures from -50°C - +200°C (-58°F - +392°F), moisture dewpoint from -80°C - +20°C (-80°F to +68°F), flow rates to 92.7m/sec (18248 scfm) and current and voltage from 10 – 800Amp and 100 V – 700V respectively.



SCADAR™ base stations are also robustly constructed and incorporate a 3.5" VGA colour display and ergonomically designed keypad.

## PLC SOFTWARE DEVELOPMENT

We have in-house access to an extensive library of operating and application software that has been developed for a diverse range of compressed air applications.

In addition, our analytics software development capabilities are unsurpassed and have allowed us to tailor existing platforms and develop bespoke software in response to customer requirements.

## SCADAR.NET

SCADAR.NET is an advanced cloud computing platform that enables customers to

access securely encrypted data transferred from SCADAR base stations.

An online wizard enables data to be presented in endless graph, chart and animated formats in order to produce professionally presented compressed air audit reports. These reports are stored on our secure 128 bit server.

# DELIVERING A QUALITY ASSURED PORTFOLIO OF PRODUCTS AND CUSTOMER-DRIVEN SERVICE THAT SET US APART

In today's increasingly competitive manufacturing arena, it is essential for compressed air auditing to be accurate and extremely reliable if operating efficiencies are to be maximised.

SCADAR™ satisfies both requirements by offering quality assured products that are backed by exceptional service.

## QUALITY CONTROL

We employ more than 15 highly qualified hardware and software professionals. Each one has been carefully selected to add value within our business and we continually develop their capabilities to enable them to exploit the very latest tools and techniques.

As a respected, market-leading analytics provider, we also work in accordance with the most exacting industry

standards and employ stringent quality assurance procedures throughout our organisation.

## STATE OF THE ART TESTING

Furthermore, we subject all hardware to rigorous and exhaustive testing and thoroughly beta test all software products before they are released.

As such, every SCADAR™ product is accompanied by our reassuring 12 month manufacturer's warranty.

## EXCEPTIONAL, CUSTOMER-DRIVEN SERVICE

Our Account Management team and network of strategically located dealers have established a new benchmark for service within the compressed air analytics market.

A unique, customer-driven approach allows them to work closely in partnership with clients throughout every stage of a project, delivering a service that is unsurpassed within the industry.



SCADAR™ HAS REDEFINED PERFORMANCE ANALYTICS WITHIN A DIVERSE RANGE OF DEMANDING PISTON, VANE, ROTARY SCREW AND CENTRIFUGAL COMPRESSED AIR INSTALLATIONS.

