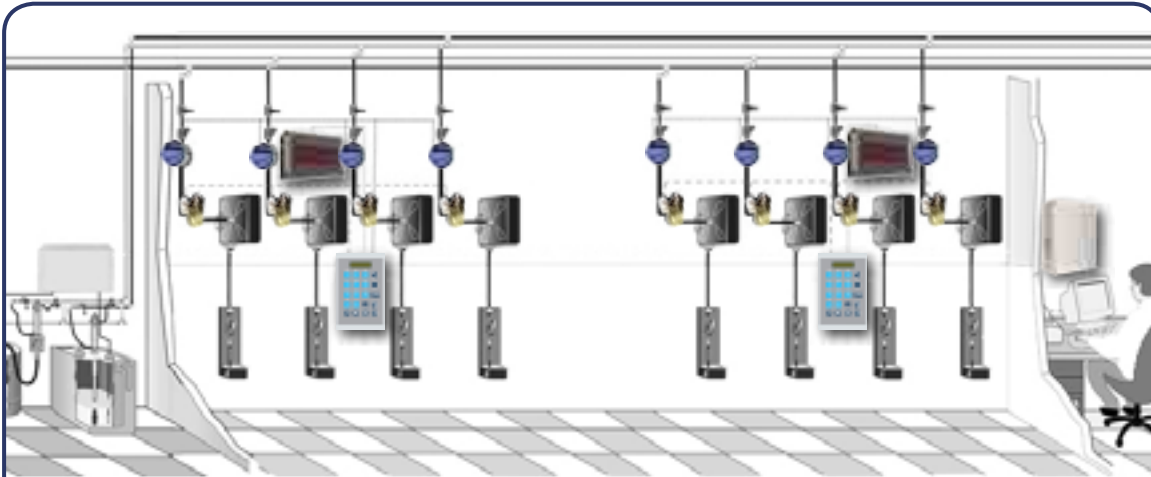


Q.A.M.



quality certified
ISO 9001 : 2008

QUADRA ADVANCED MONITORING



Quadra Advanced Monitoring (QAM) is operating with pulser meters and solenoid valves fitted into the fluid delivery lines, with these items QAM both controls and monitors the fluid dispensing. The volume dispensed is measured by the keypad from a digital signal returned by the meter, QAM can close down a dispense once the volume required is reached. Over recent years it has become important that all facilities are able to accurately trace where, how and what has happened to all fluids purchased. Some years ago this was done purely to ensure that the business was running efficiently. Government legislation for environmental protection now requires facilities to show what has happened to all fluids purchased. The flexibility and quality of the QAM system design has made it an essential modern management tool reducing waste, controlling cost and increasing profits.

The flexibility of the QAM now makes oil monitoring a feasible and affordable solution for all potential users, enabling them to adapt their system to the ever changing needs of their business without the need for large investments. The QAM can have up to 999 control units that can each monitor up to 8 different outlets, they can dispense simultaneously from any one of the outlets regardless of the product to be monitored, other fluids including antifreeze, windscreen washing fluid, ad blue and brake fluids can operate on this system. The operator is prompted at every stage for Pin No., Job No., and Reel No. before oil can be delivered. The prompted instructions ensure quick system usage and trouble free operation. Operators can be allowed access to specific outlet only should this be required. The Pc interface can be fitted with a printer to expand the systems reporting capability allowing print out of a hard copy which will include details such as Date and Time, Oil brand and grade, Reel No., Job No. Vehicle Registration, Name of operator, Quantity, Sales value. Waste product can be theoretically calculated into tanks to give site owners to an early warning that there waste oil tanks need to be emptied. Direct invoicing of the dispensed quantities will ensure direct return on the investment done. Think about it before wasting money!

Oil Monitoring System



WORKY

Components



QAM-SW

Software with interface and power unit (for the basic configuration it can feed 1 keypad and 8 solenoids).



QAM-USB

The USB interface cable is connecting the computer to the QAM monitoring system.



QAM-PU

The power unit has to receive 230V power from the line and provide an output of 24V line to feed up to 8 solenoids working simultaneously for a max of 100 mt cable line.



QAM-KP

Multifunctional Keypad for controlling up to 8 solenoids for fluid distribution. It has to receive the data cable from the SW and the 24V power from the PU.



QAM-DD

High visibility Digital Display for replicating the dispensed quantities from the keypad display.



QAM-GPV

Special Fluid Meter complete with solenoid and 1/2" connection suitable for Antifreeze, Windscreen Washing Fluid.



QAM-GPVS

Oil Meter complete with solenoid with 1/2" connection suitable.



QAM-BS

Scanner for the Bar Codes including all the details of the job numbers. Complete with external power supply.



QAM-CE

Magnetic Card Encoder for including all the personal details inside the cards. Write and Read functions.



QAM-CR

Magnetic Card Reader for authorising the operator to use the Keypad: Read functions only.



QAM-PR

Single colour Printer for output tickets of the performed dispenses.



QAM-IB

Identification buttons (Dallas) for authorising the operator to use the Keypad.



QAM-C315

Power Cable 3 x 1,5 sqmm for the supply of the 24V from the Power Unit to the Keypads.



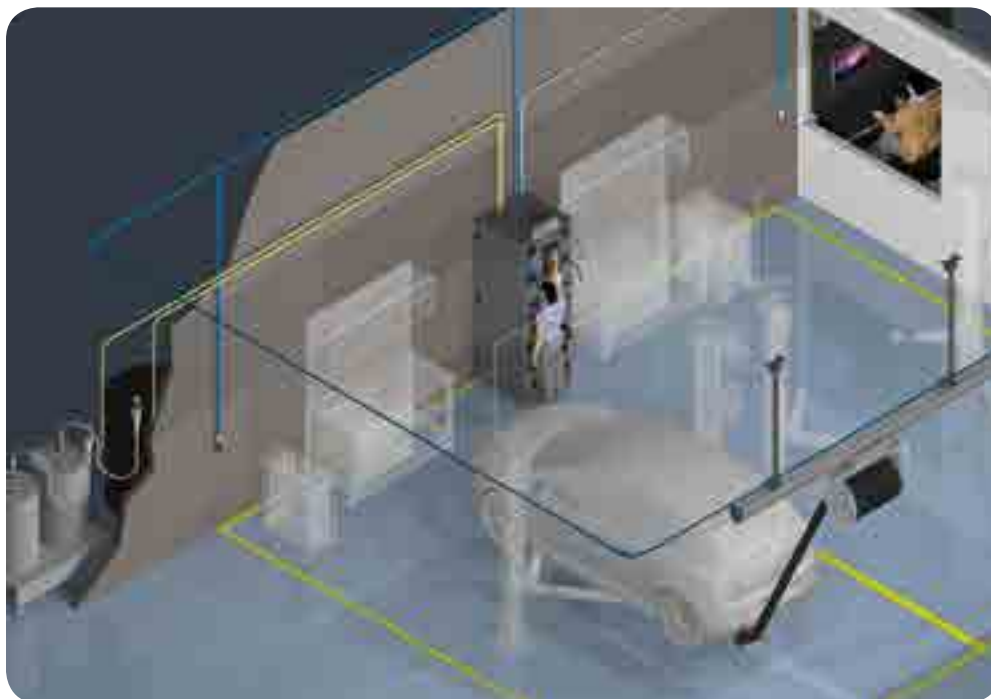
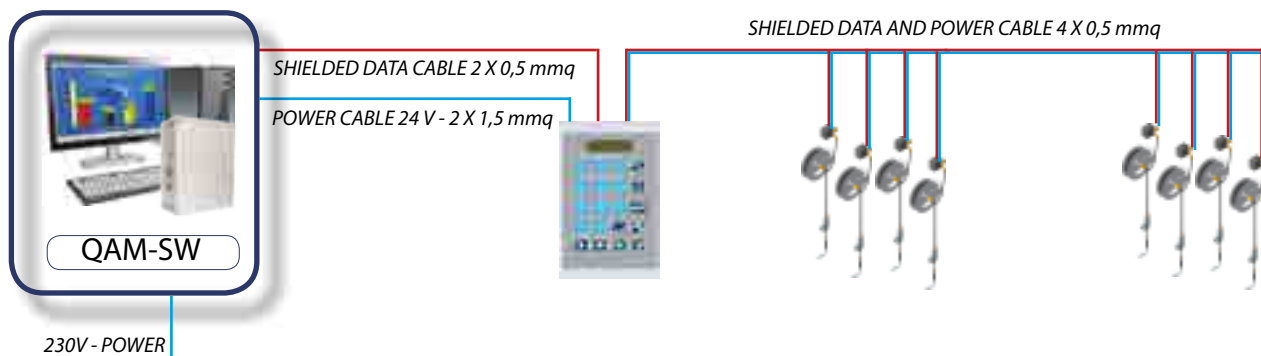
QAM-C405

Oil Meter complete with solenoid with 1/2" connection suitable.

Basic

With QAM - BASIC configuration you can serve the whole workshop with 1 keypad controlling up to 8 VALVES working at the same time.

Very easy and economical solution with the same Unique Selling Proposition of the QAM system.

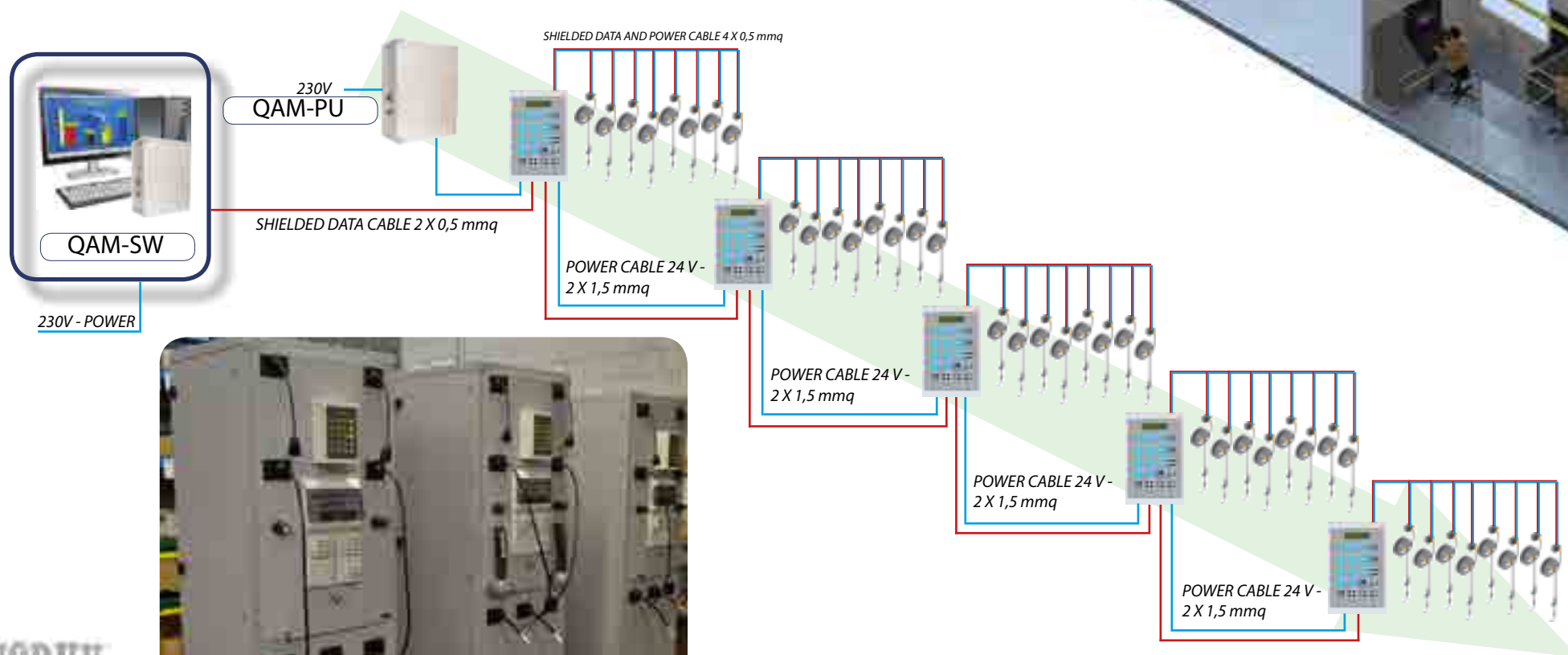
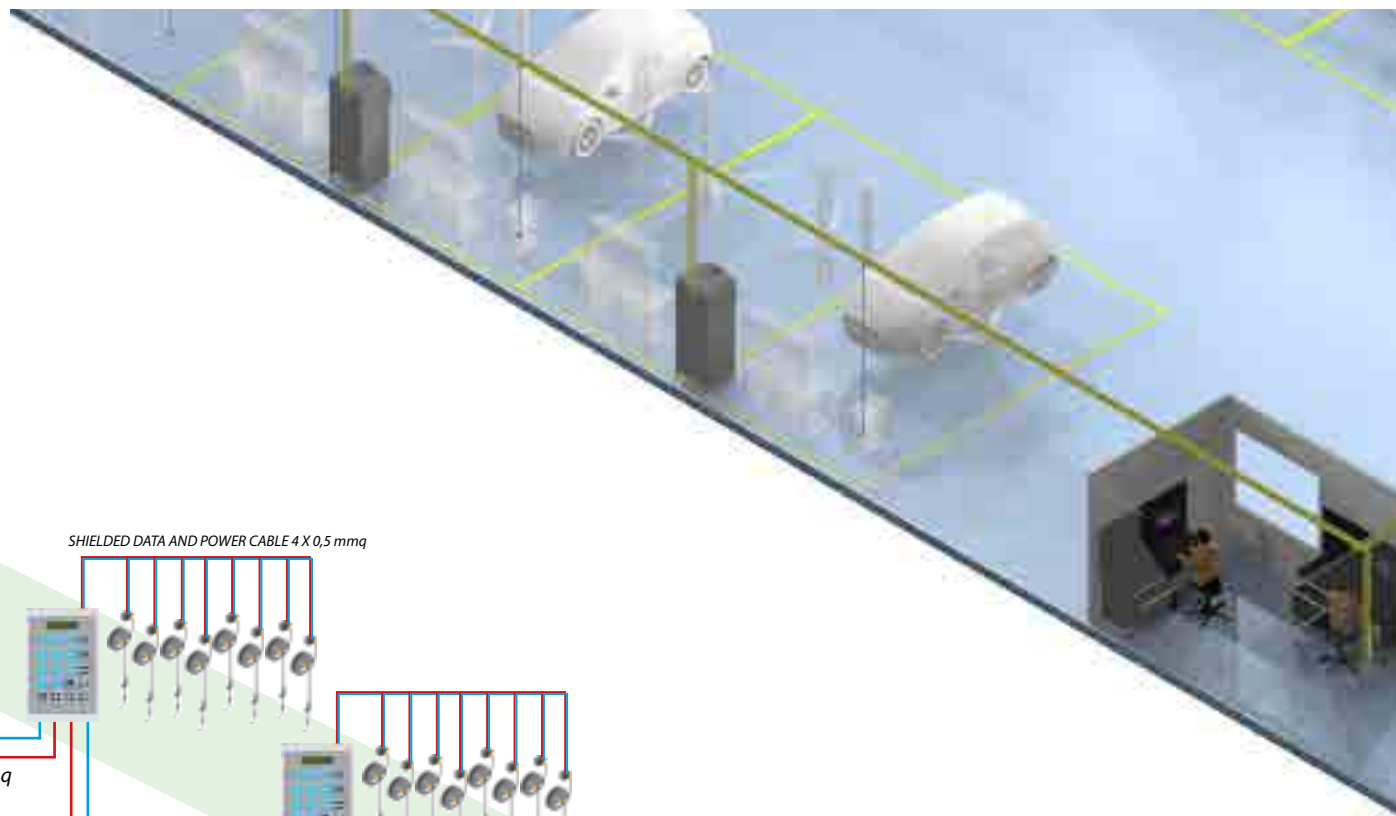


WORKY

Concept 1

With QAM - CONCEPT 1 you can control ONE SUPPLY LINE composed by 5 KEYPADS, with a total number of 40 DISPENSING POINTS, and MAX 8 VALVES working at the same time. The maximum line of the data cable is approximately 100 mt.

This configuration is suggestable to middle / big workshops with around 10 / 15 working bays.

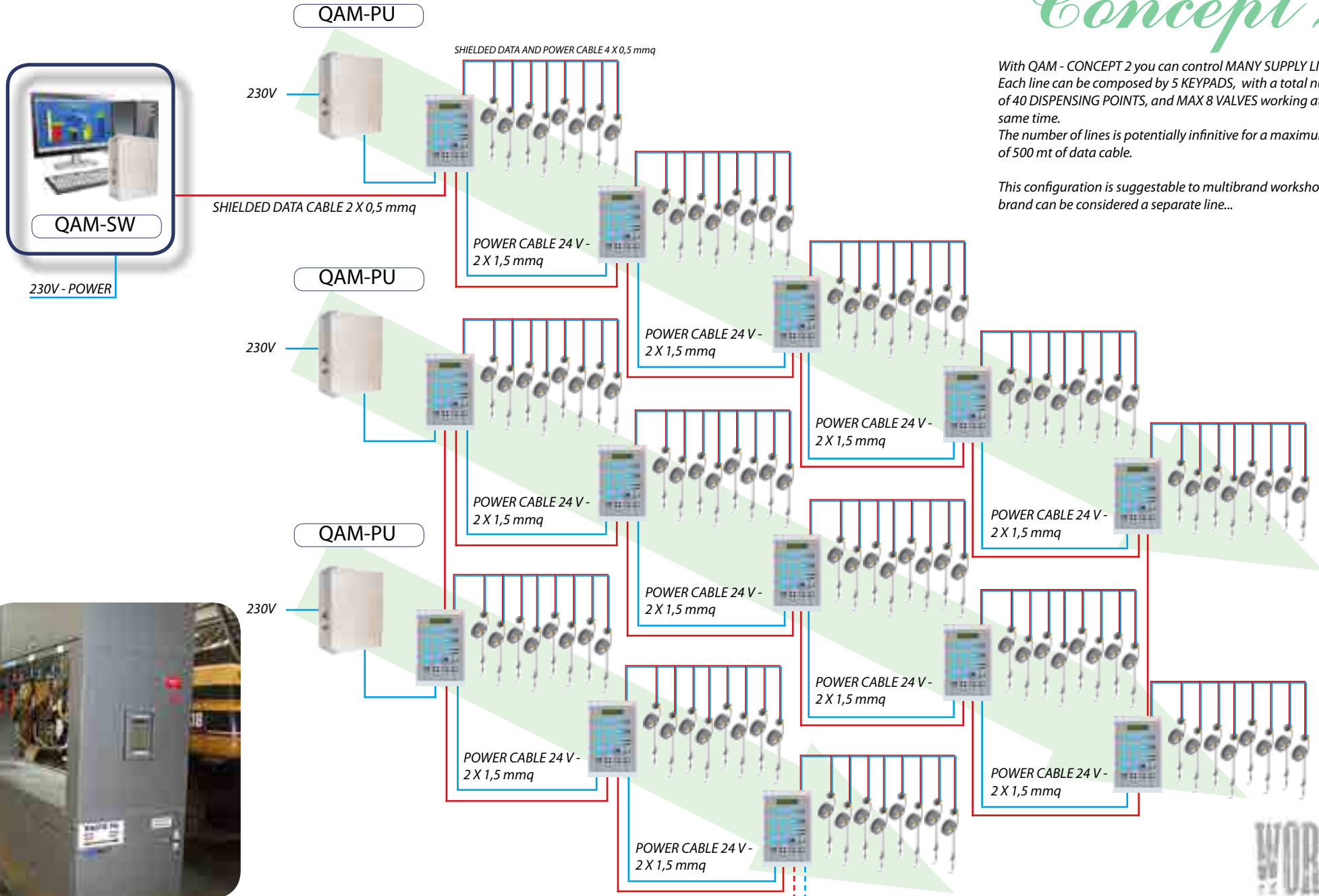


Concept 2

With QAM - CONCEPT 2 you can control MANY SUPPLY LINES. Each line can be composed by 5 KEYPADS, with a total number of 40 DISPENSING POINTS, and MAX 8 VALVES working at the same time.

The number of lines is potentially infinitive for a maximum lenght of 500 mt of data cable.

This configuration is suggestable to multibrand workshops, each brand can be considered a separate line...



WORKY

Premium



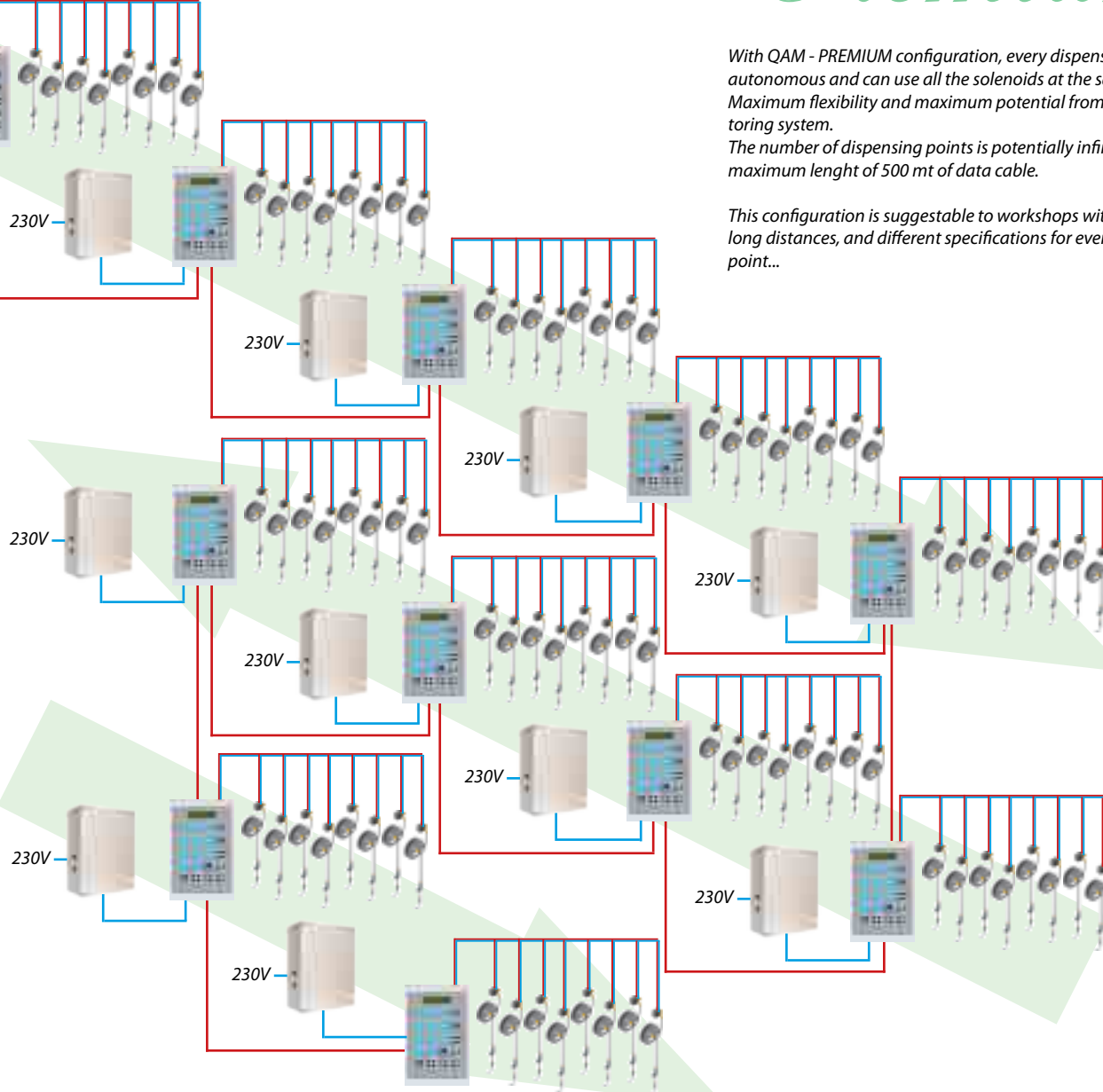
QAM-SW

230V - POWER

230V
QAM-PU

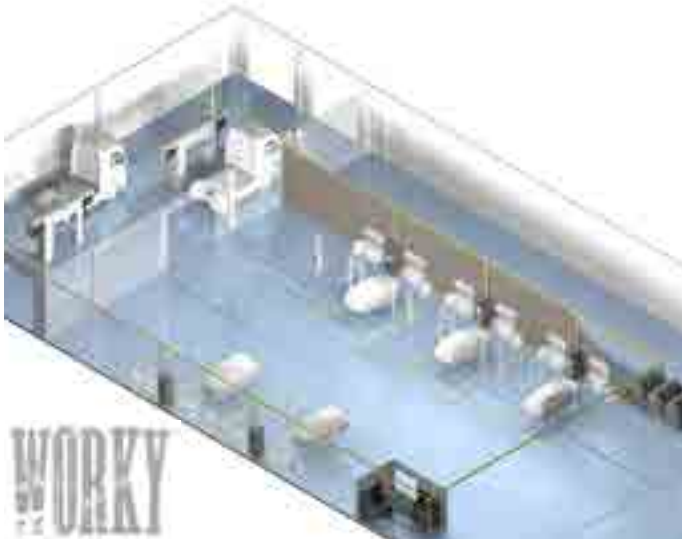
SHIELDED DATA CABLE 2 X 0,5 mmq

SHIELDED DATA AND POWER CABLE 4 X 0,5 mmq



With QAM - PREMIUM configuration, every dispensing point is autonomous and can use all the solenoids at the same time. Maximum flexibility and maximum potential from an oil monitoring system. The number of dispensing points is potentially infinite for a maximum length of 500 mt of data cable.

This configuration is suggestable to workshops with many fluids, long distances, and different specifications for every dispensing point...



WORKY

Unique Selling Proposition

Identification

the operation can identify himself in three different ways:

PIN



DALLAS



BADGE



Job Number

associating a job number to a dispense has never been so easy: 3 different way to input such information.

NEW



PRE-SET



SCAN



Quantity

Precise oil delivery is given for every dispense, you can decide to pre-set the quantity or stop when you want.

FREE



PRE-SET



Fluids

The QAM system is able to manage all the technical fluids required in a mechanical workshop, such as:



ENGINE OILS



THICK OILS



WINDSCREEN W. F.



ANTIFREEZE



GREASE



ADBLUE

Output

Once you dispensed, you can choose 3 different way of having your control on the output.

TICKET



REPORT



DATABASE



Invoicing

you can pick up the dispensed quantity from a database or from a direct link to the customer DMS (data management system)

STANDARD
OUTPUT



DIRECT
LINK



Safety

Unexpected empty tanks are no more a problem with the warning and shut-down fluid level controls.

WARNING
LEVEL



LOW
LEVEL



Extras

you can transfer the datas between 2 buildings with a RF transmitter and keypads have 1000 dispense built in memory.

WIRELESS



MEMORY

1000
dispenses
stored
without
connection



WORKY