MARMIK

A TOTAL ENGINEERING & ELECTRICAL SOLUTIONS COMPANY

"

OUR REPUTATION HAS BEEN BUILT ON: BEING HELPFUL, FORWARD THINKING, & ABOVE ALL FLEXIBLE TO MEET OUR CLIENTS NEEDS
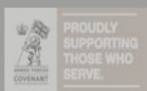
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Machine Access Control System

CONTACT US

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MARMIK

WE ALWAYS PROVIDE FOCUSED AND TARGETED ENGINEERING SOLUTIONS & PRODUCTS.

MARMIK is a Total Engineering and Electrical Solutions Company that offers Breakdown , Servicing , Installation, Relocation and parts for a wide variety of bespoke machinery that is widely used within the an Engineering or University Environment.

Machine Access Control System

KNUTH MFV 1

DETECTOR PANEL

Insert Card

INDICATOR LIGHTS

FLASHING-USER NOT ACCEPTED
CONSTANT-CONNECTED DATA BASE

FLASHING-NO DATA BASE
CONSTANT-SERVICE

USER ACCEPTED

MACHINE

MARMIK

Machine.Access.Control.System (B-MACS)

2 Cloud - Software
3
Remote light
Machine
5
Detector Panel
4
1 Swipe Card
Main Control Panel

Please see the fig of how the M.A.C.S works

SPECIFICATIONS:

Each M.A.C.S node can be connected for machines up to 64, 192 or 256 machines per Main Electrical Panel (MEP).

The MEP connects directly to an online data base allowing access to the system from any location for ease of use.

M.A.C.S will indicate to you when each machines service is due and to what level of service is required, this is done through a date or hours run schedule.

The software is designed for a supervisor to grant or restrict access to your machinery thus allowing only access to trained operatives.

It is possible to connect multiple rooms all together so there is situational awareness of all machines on your site.

The system recognises each operator in turn and tracks when they have used the machine and for how long.

Bollard light can be mounted adjacent to your existing machinery to indicate the state of each machine.

Potential Large Screen display in the supervisors office for situational awareness.

A potential time restriction application is available to limit when machines can be used and by which operator.

OPTIONAL SPECIFICATIONS
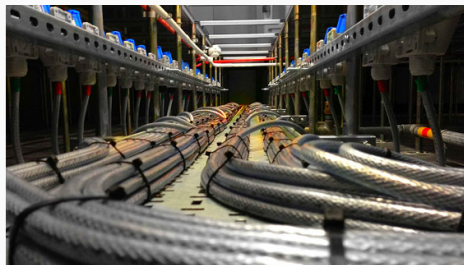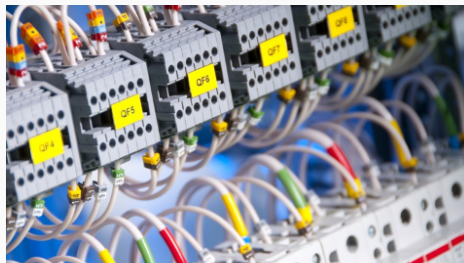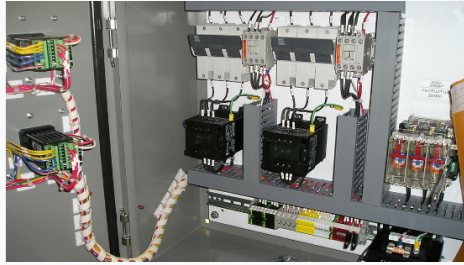
Human Machine Interface (HMI) screen can be mounted on each MEP for the supervisor to override or manually configure each machine.

Potential WIFI enabled MEP for ease of use and security for the network or can be hard wired through your network.

THE INSTALLATION

The MEP will require a new mains supply for each MEP.

Interconnecting cables from the MEP to the DP, will consist of networking and control system cables. Routing these cables will have to be separate from any mains infrastructure.

A DP will be installed adjacent to each machine allowing ease of use for the operator.

Optional extra emergency stop buttons can be mounted at each DP and will remove the supply to the entire room.

Each (MEP) will have Wi-Fi or a patched stable internet connection into the main panel.

WHAT ARE THE
BENEFiTS
of the

Machine Access Control System

Granular control: which machine? which user?

Only authorised users can access a machine.

Only serviceable machines can be used.

Restrictions based on usage, user, location & serviceability.

Easily accessed service history.

Easily accessed runtime history.

Improved Health & Safety compliance.

Data evaluation on machine and user.

MARMIK
SERVICE PACKAGE

Primary Service Package

We will visit twice per year to inspect and service the M.A.C.S (This will provide piece of mind and will be able to reduce potential downtime on your machinery).

We will provide a help desk for your M.A.C.S supervisors.

You will receive regular software updates.

Unlimited M.A.C.S users

Advanced Service Package

All of the features of the Primary Service Package are included, plus:

Next day breakdown for complete peace of mind.

WHAT ARE YOUR

Visit

Arrange a visit with MARMIK to determine your exact requirements for the installation and what machinery you want to be connected to the M.A.C.S

Estimate / Quote

MARMIK estimate will consist of the following:

Initial panel build and the installation of M.A.C.S.

Selected service package.

Costing

MARMIK will produce a detailed costing for the complete installation and will consist of routes for cables / current loading and locations for panels.