

MACS - Monitoring & Access Control System



Using MACS to control **access**

The Monitoring & Access Control System (MACS) is the latest in Avdata's access technology. Whenever you need a robust, reliable and flexible access control system, MACS can:

- provide secure access control
- turn on winches or open gates
- monitor use of water
- control access to rubbish tips
- turn on lights at sporting fields
- limit access to secure areas, such as work sites or transport depots
- control almost any application that needs turning on or off.

MACS uses electronic access keys, the same technology as the National Truckwash System.

The system is highly flexible – Avdata can customise MACS to your needs.

To **operate** the MACS system

To access your facility the user touches their electronic access key to the MACS control panel.

If the access key is valid, MACS will then allow use of the facility - to activate a winch, turn on a light, open a gate or door, turn on a pump, use water...

How the MACS system **works**

MACS records who has used the facility. It can also record data such as the amount of water taken, the time the facility was used, use of lights and pumps.

Data from MACS can then be downloaded via a network or modem.

You can collect this information yourself or Avdata can manage it for you.

The data is entered into a database. It can then be used to track usage, produce management reports, or to bill users.



Electronic access **keys**

In the MACS system each access key holds an iButton™, which provides unique electronic identification of the user. The keys have proved very reliable, robust and suitable for outdoor use.

MACS contains a database of all keys allowed to access your facilities. You can add or delete keys as required. This allows you to delete lost or stolen keys from the system, and give quick access to new users.

You can program MACS so that different people are given different types of access and you can also easily lock out people who misuse your facilities or don't pay their bills.



MACS unit, control panel and keys

Charging for use of **services**

You can use MACS just to give people access to your facilities, or you may also decide to charge for access.

Data from MACS can be collected via network or modem, and transferred to a billing and reporting database.

You can manage your own billing, or Avdata can do it for you.

Avdata has extensive experience in billing and reporting. For many years we have managed:

- airport charging for over 110 airports around Australia
- the National Truckwash System at over 80 saleyards
- the water management system.

Contact Avdata for further details.