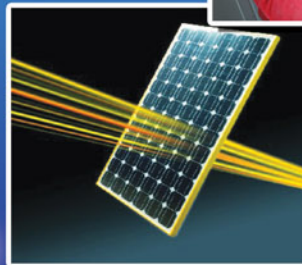




## Automation & Electromechanical Systems



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# MKC

## Automation Systems

**MKC** & its Italian Partner **ST Quadri** are leader companies in the following areas:

- Industrial automation systems Such as ( Waste Water Plants, Water Pumping stations, power plants, Industrial production Lines, Etc... )
- We design, write PLC/DCS/SCADA software, install and perform testing- Commissioning- Startup
- Energy distribution cabinets



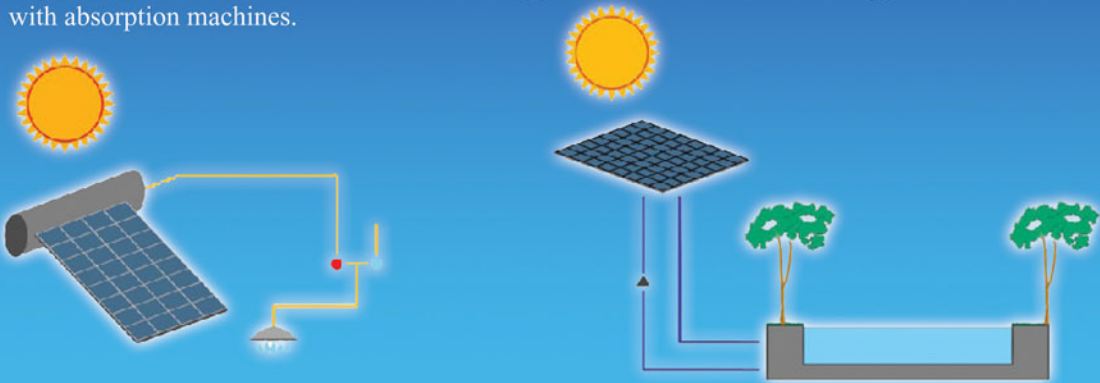
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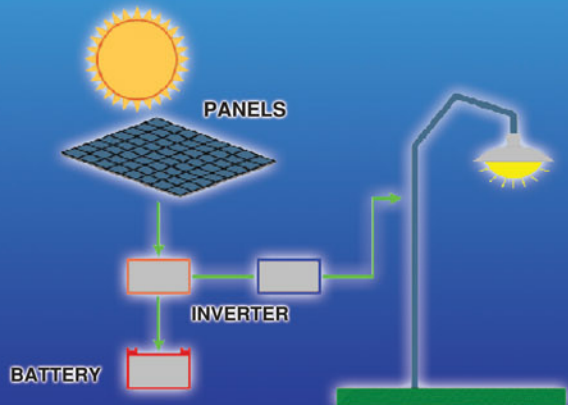
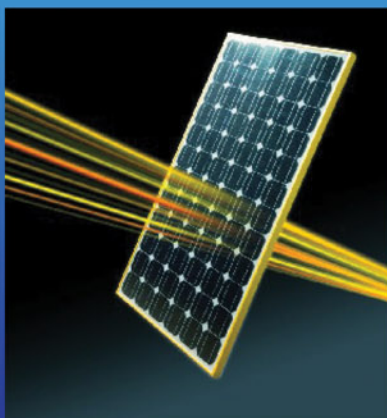
### Renewable Energies

In fact today the solar plants used for applications besides the simple summer hot water production for domestic uses are increasing a lot. It is proved that the vacuum technology is the best solution for solar plants destined to satisfy the energy demand of ambient heating requirements, as well as for several industrial applications and for solar cooling plants combined with absorption machines.



### Photovoltaic Plants and PV Street Lamps

In these times of heightened environmental awareness, electric street lighting is rightly regarded as an enormous consumer of electricity, at a vast financial and environmental cost. However, because of the road safety and security benefits which result from a good street lighting system, authorities everywhere are keen to implement cost-effective and environmentally friendly lights. Solar street lights can deliver that much-desired outcome and offer an exceptional lighting program whilst, at the same time, producing considerable economic and environmental savings.



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# MKC

## Security Systems

### CCTV

Up to 64 IP cameras

- Full screen display 4 9, 16, e 32 cameras
- Recording up to a 25fps for all cameras in megapixel resolution
- Different recording format : SXGA (1280x960) , SXGA+ (1400X1050) , HD 720 e HD1080
- Image recording with time slot ,motion alarm , or alarm trigger .
- Remote and local playback functions.
- Security password with different user level as privacy regulations DLG 675796
- Manage PTZ cameras and speed dome
- Pentaplex functions ( local recording, local visualization, playback , remote visualization, remote recording )
- Image saving on external HD or USB
- Remote interface VNC
- Remote SW upgrade
- Multilanguage Software
- OS Windows 7 o server 2003. And operating system EMBEDDED XPE e XP2011



### Access Control

Supplied with magnetic reader ISO/ABA 2nd track

- Firmware remotely uploaded onto FLASH EPROM
- Remote programming/remote management
- Liquid crystal display with 20x2 backlit characters
- Frontline keypad with 20 keys
- Swipe (FOX2) or insertion (FOX1) type
- 4 open collector inputs, freely programmable
  - door alarm
  - manual opening etc.
- 4 changeover relay outputs (1A/24V), freely programmable
- 1 buzzer
- 3 frontline LEDs
- 2 serial lines
  - serial line for local printer
  - RS232C, RS485, LAN serial line for Host
- Direction management between the different remote readers
- Stores up to 1.600 cards on non-volatile memories



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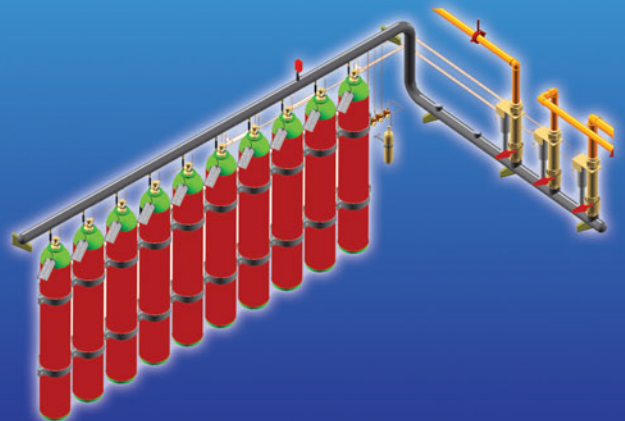


# MKC

## Gas Supression Systems

### FM200

**DuPont™ FM 200®** is electrically non-conductive and has a density approximately 6 times higher than air. **DuPont™ FM 200®** extinguishes the fire mainly by physical means. It has a cooling effect due to its absorption capacity. Not only does **DuPont™ FM 200®** avoid extensive fire damage, it also causes practically no collateral damage. It is a clean gaseous agent that does not contain macro particles or oily residue.



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# MKC

## Fire Alarm Systems

Supply & install of high quality fire alarm system addressable and conventional types.  
Including:

- Smoke, heat, duct & beam detectors.
- Manual pull station
- Horns , flashers
- Repeater panels & MIMIC
- Interfacing with current systems and fire fighting equipments.



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