

JVA INTRODUCTORY



www.jva-usa.com

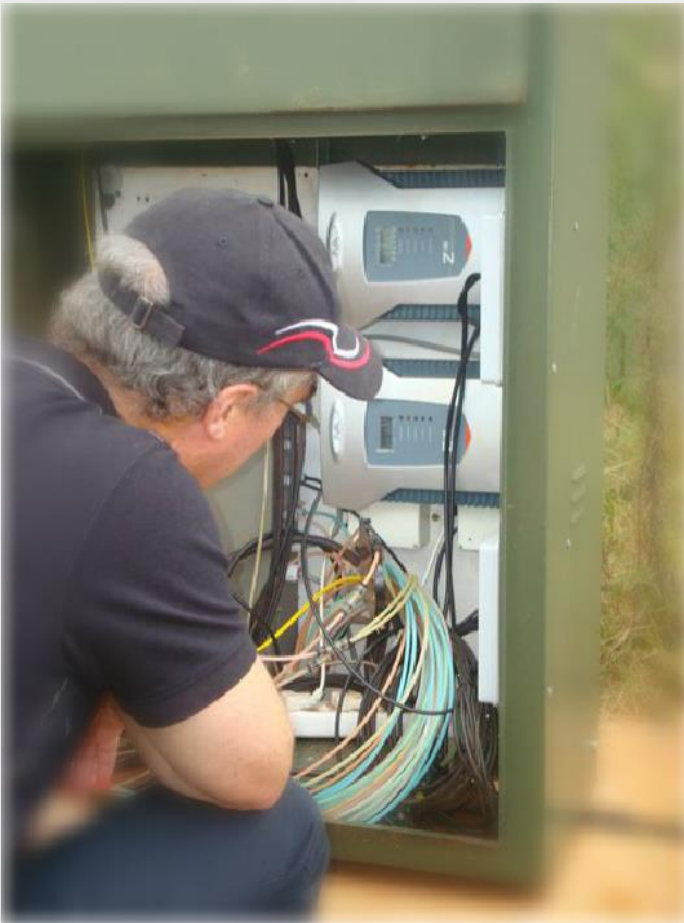
JVA = Joules Volts & Amps

Nickname:

JVA = Joint Venture Africa / Australia

GOAL:

To use the skills and resources of the JVA partners to continually work together with our customers and staff to design and manufacture a full quality, cost effective range of security electric fence perimeter products.



- 20 Years experience in Electric Fencing
- Masters in engineering in electronic hardware and software designing
- Owner of Packton Technologies
- Passion for Electric Fencing
- Aim to design what the Market wants
- Not afraid of criticism
- open minded to any new ideas of product improvement



- 30+ Years experience in Electric Fencing
- Passionate about Electric Fencing
- We want the right product at the right place at the right time
- Our goal is to have the best possible solution a customer can require from within our own product range “Pick ‘n Pay”
- The installer is the key to our survival and the best means of understanding and developing the fencing environment is through communication with our customers
- Development of products designed with the help and testing of the installer combined with up to date technology is the best method of achieving long term product growth, customer satisfaction and strong trust relationships



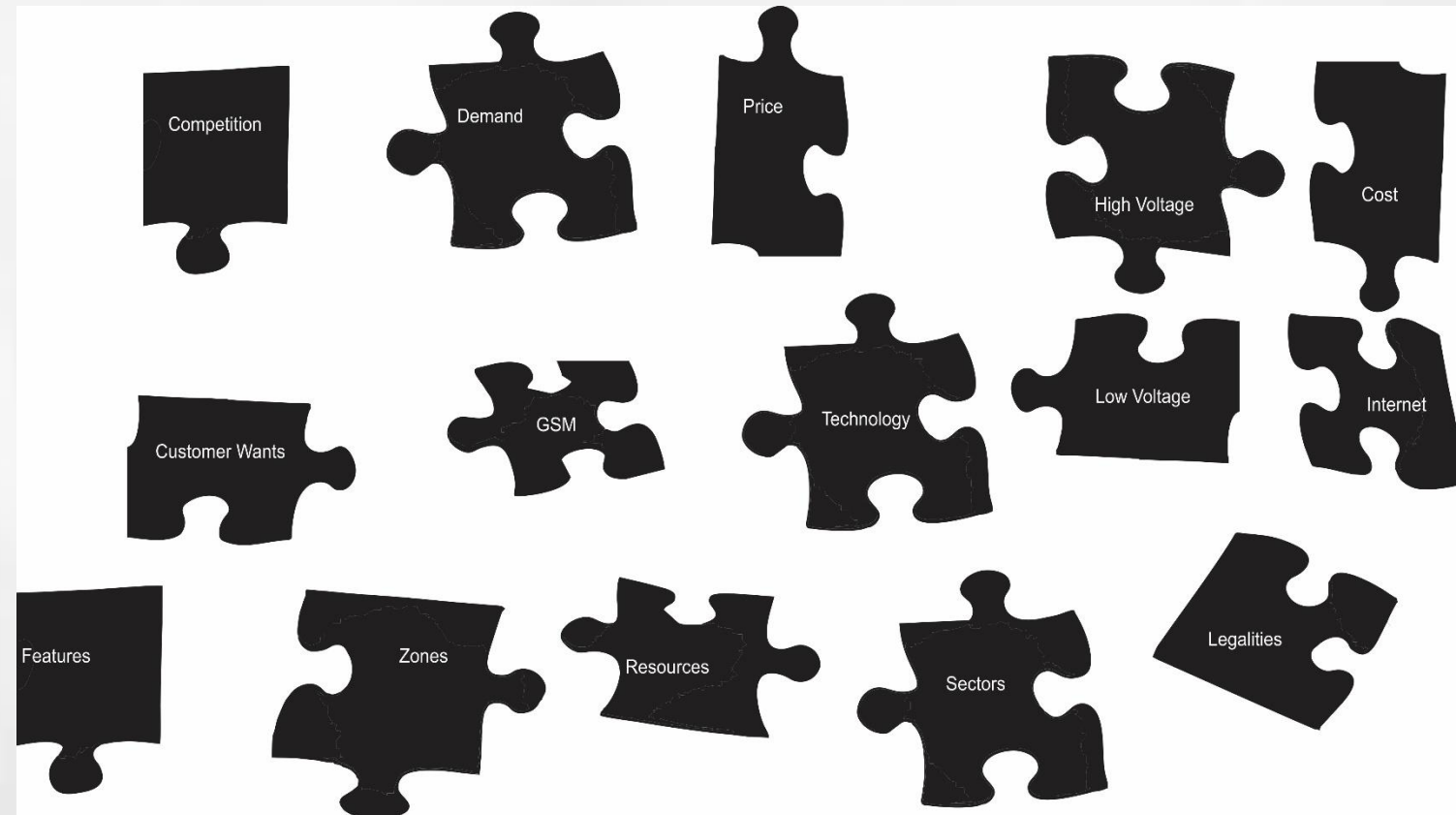
JVA Z14 – 2007 MODEL

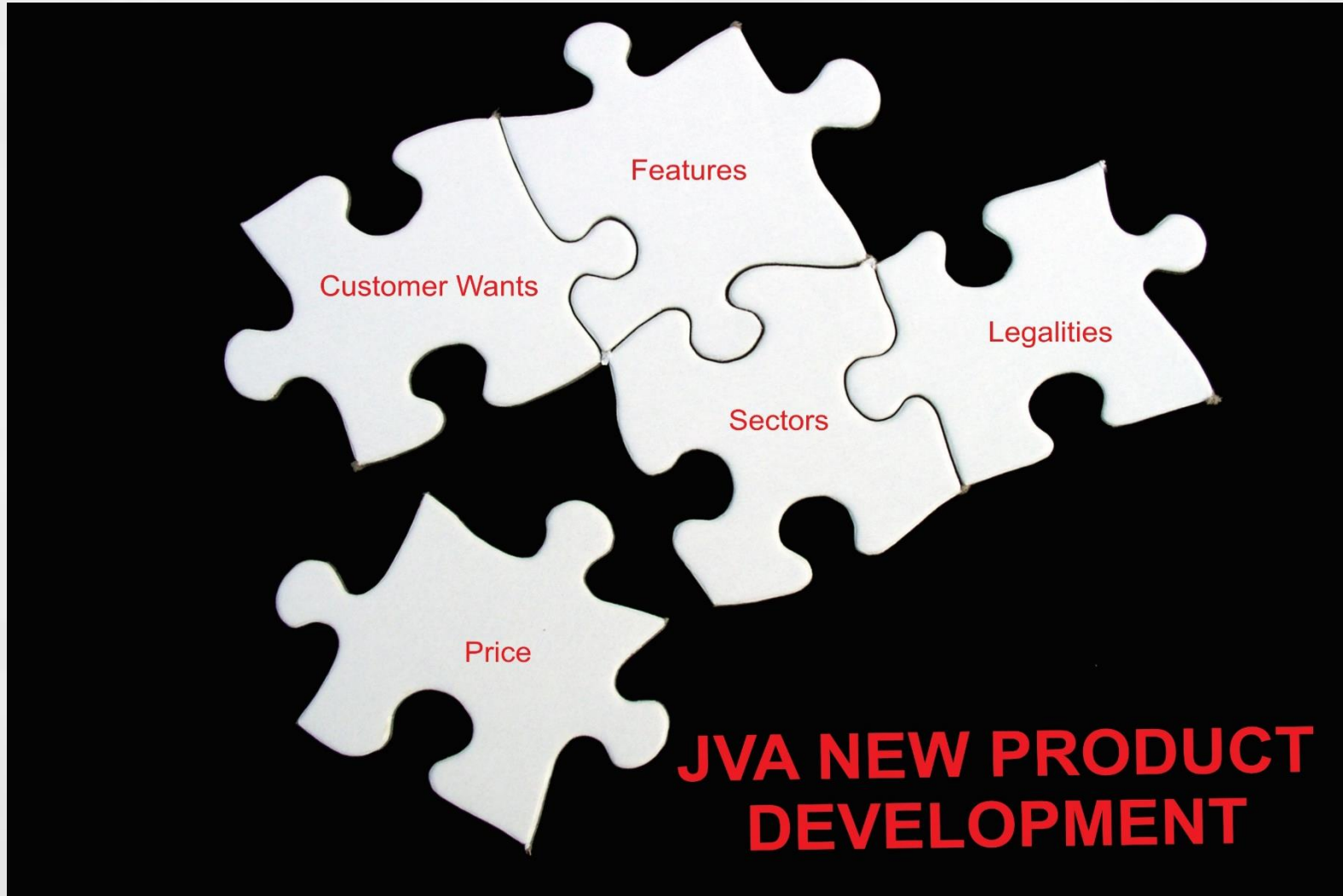


PRODUCT DEVELOPMENT QUESTIONS



- ❑ What the installer wants
- ❑ What Technology is offering new
- ❑ Current Products
- ❑ Competitors Products
- ❑ Developments in other industries and sectors
- ❑ International Developments
- ❑ Demands
- ❑ Resources
- ❑ Costs
- ❑ Features
- ❑ What the installer wants





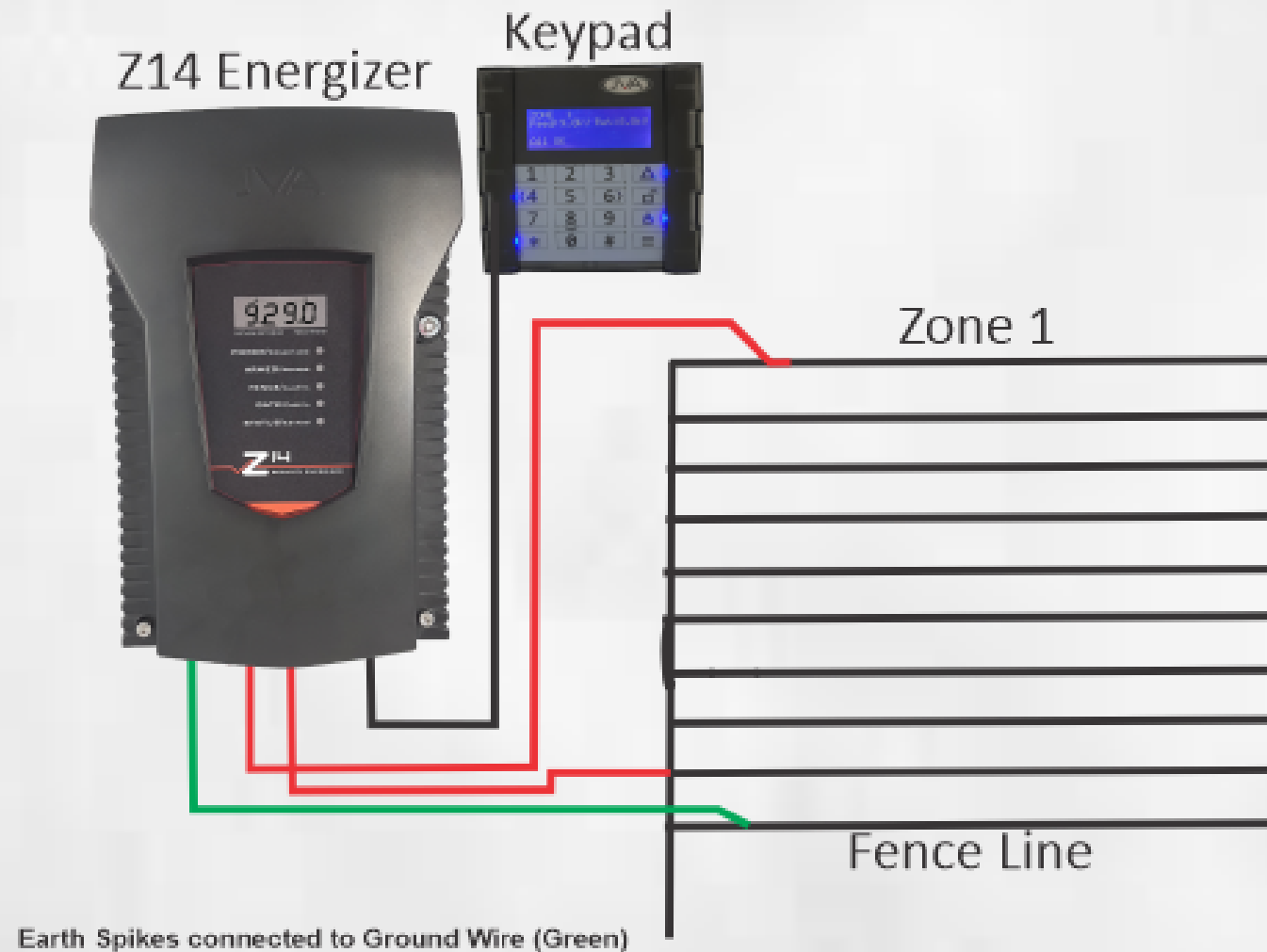
BETA TEST PHASE PRODUCT



THE 'FINAL PRODUCT'



BASIC HI-VOLTAGE STAND-ALONE MONITORING OPTIONS:



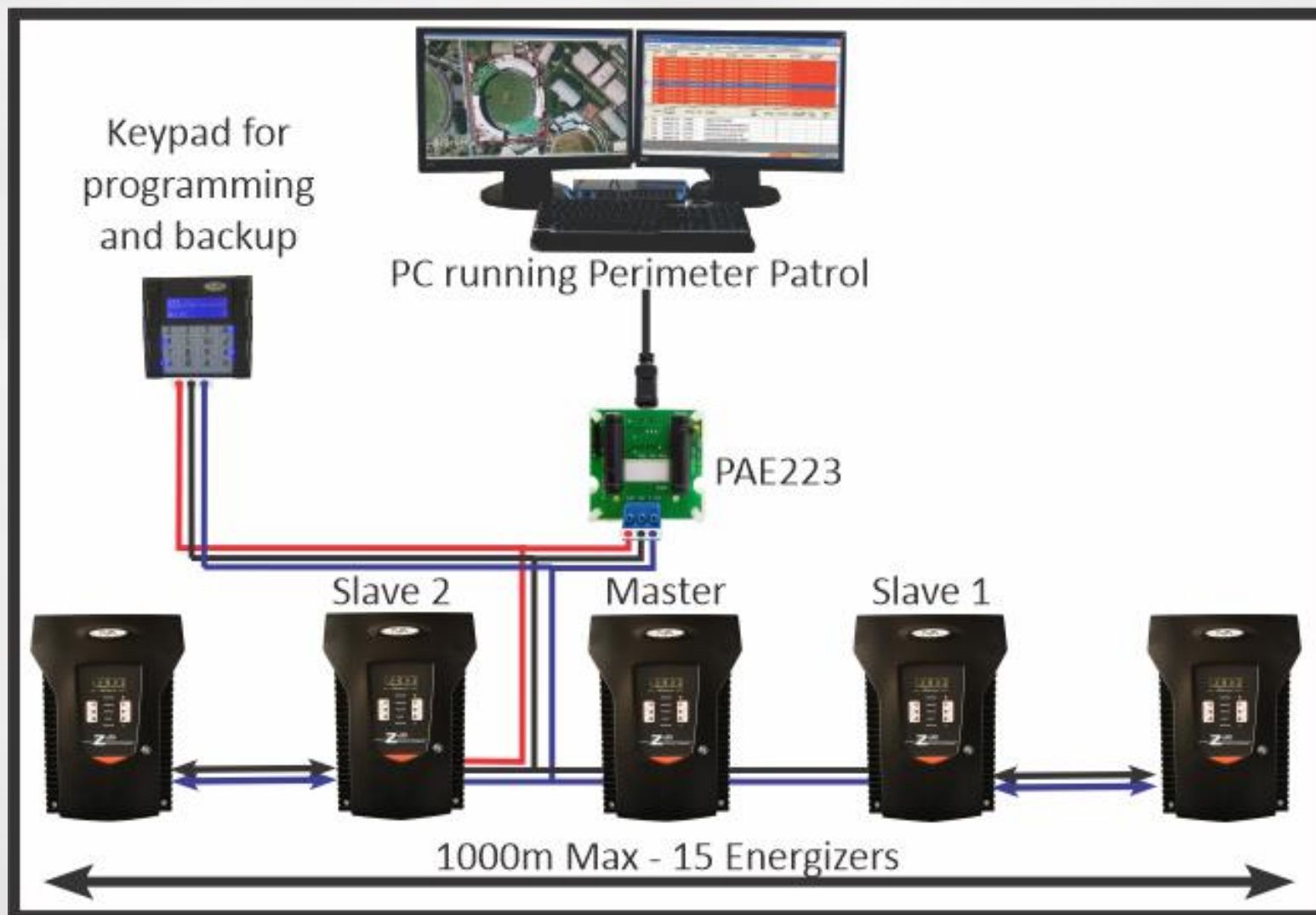
WIRING BASIC HI-VOLTAGE STAND-ALONE MONITORING OPTIONS:



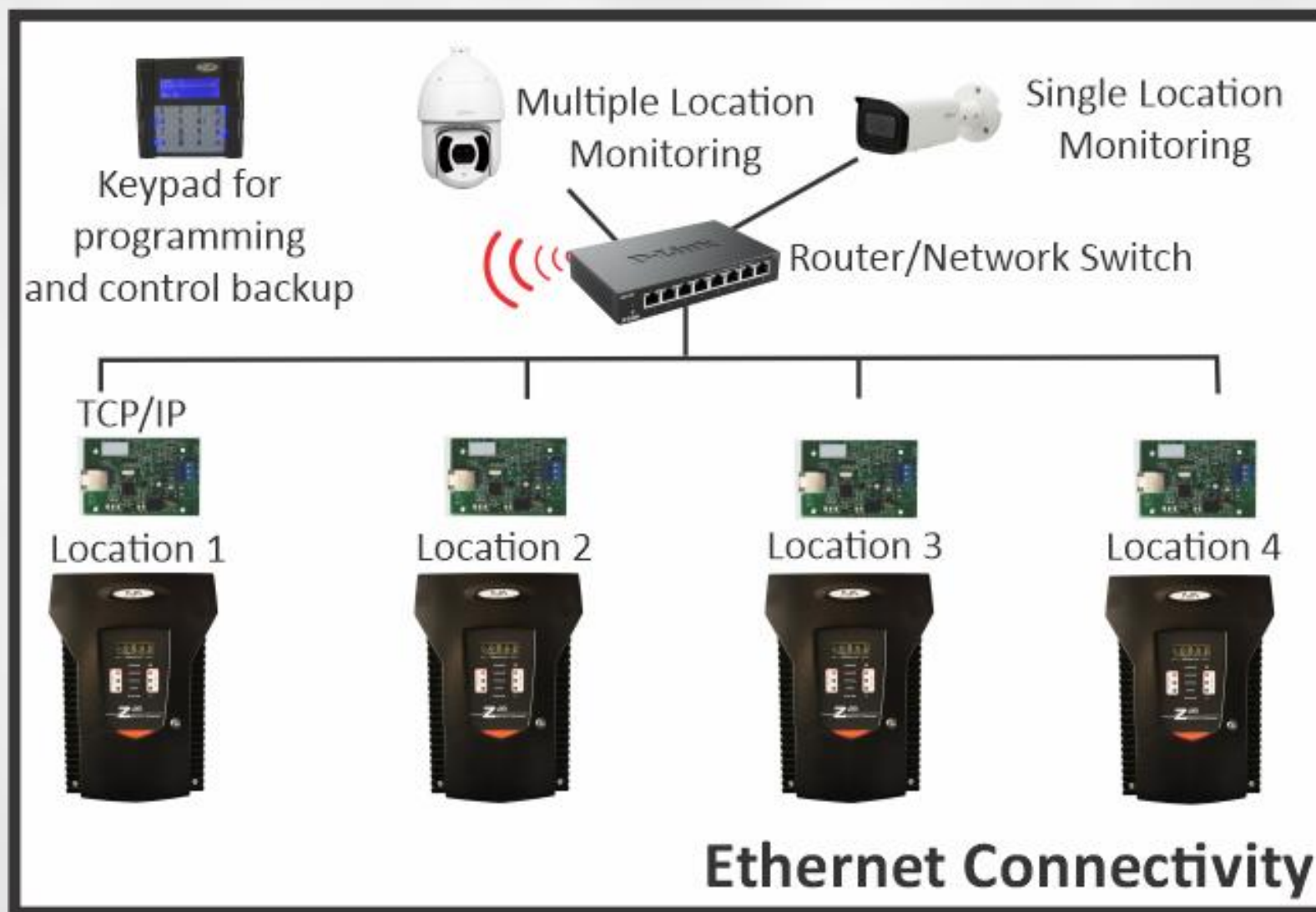
ENERGIZER MANAGEMENT



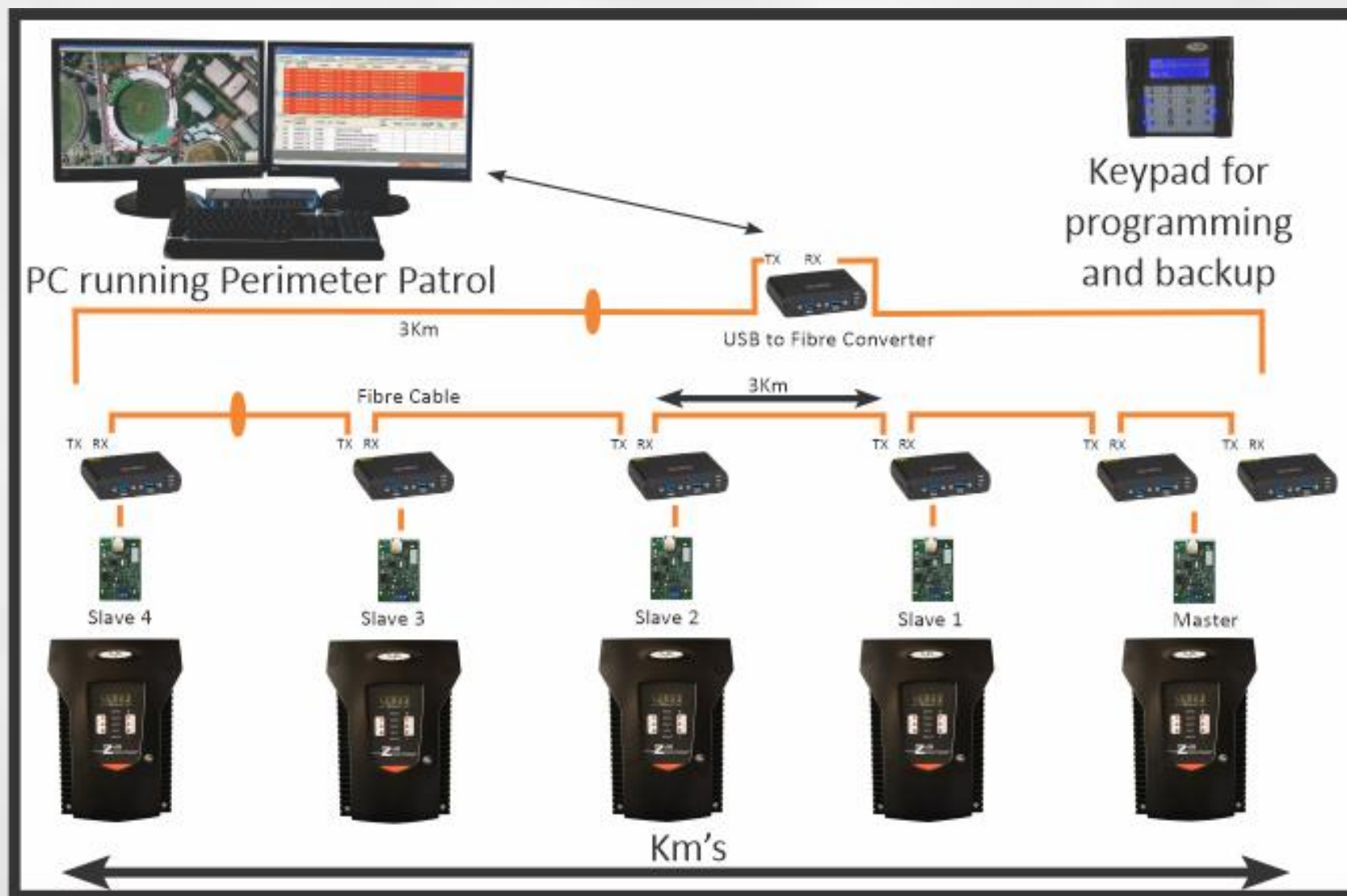
NETWORK WIRING OPTIONS



NETWORK WIRING OPTIONS



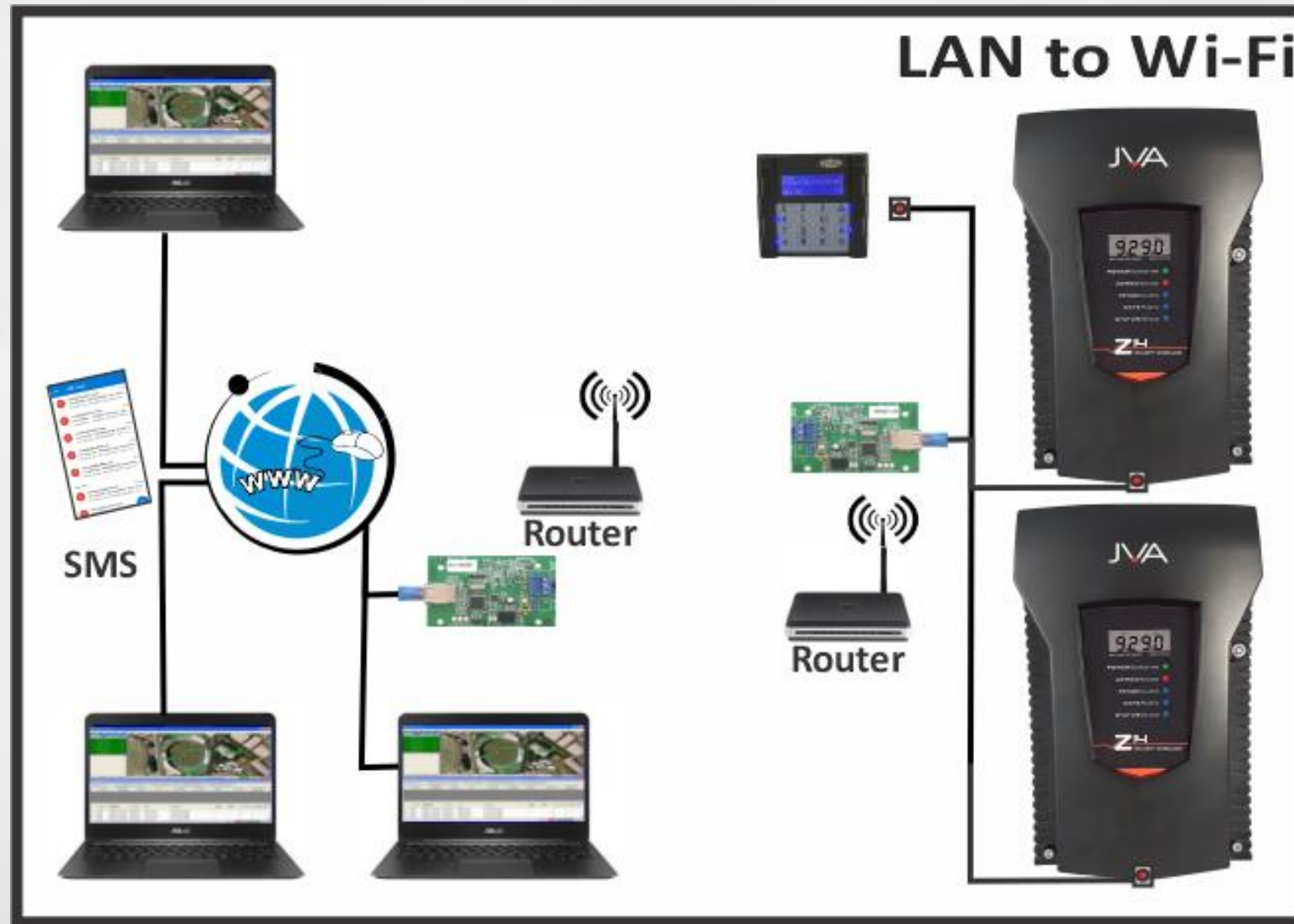
NETWORK WIRING OPTIONS - FIBRE







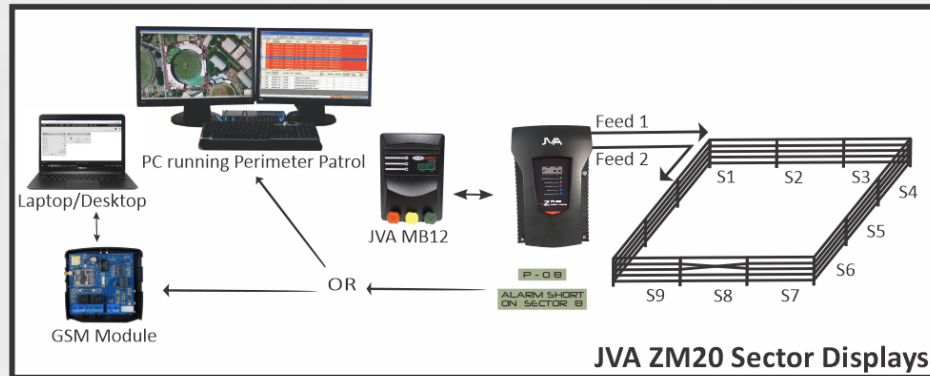
NETWORK WIRING OPTIONS - LAN



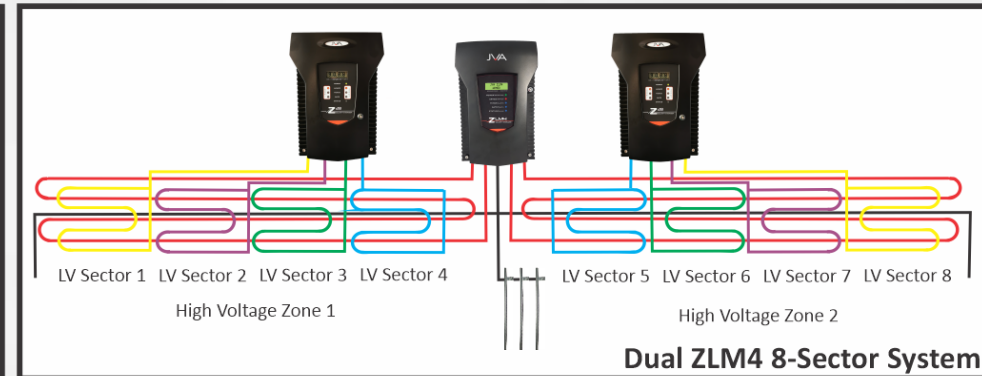
JVA PRODUCT INTEGRATION



Current Monitoring



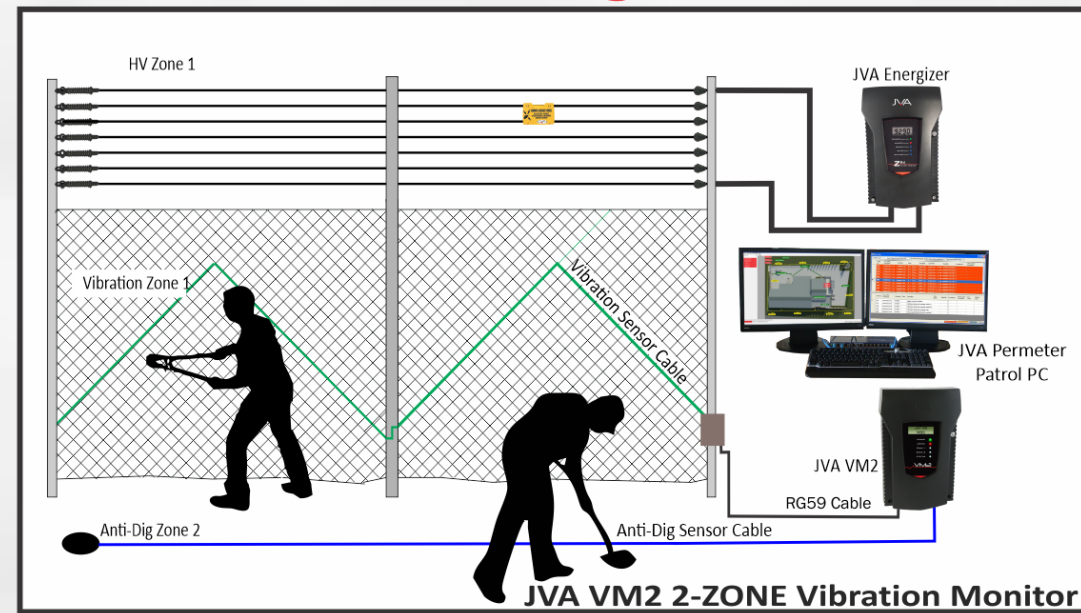
Low Voltage Monitoring



GSM or Wi-Fi Monitoring



Vibration Monitoring



JVA PRODUCT INTEGRATION



General Purpose Input Output Board

Monitors and Controls: 4 inputs, 4 outputs
PIRs, temperature, pumps, water level,
access control, beams, lights, gate control,
camera integration.

GPIO Board

eGPIO Board – TCP/IP



Ethernet Adaptor Device

Connected to single and
multiple groups of
energizers and monitors



TCP/IP Interface

Perimeter Patrol Management Software

Real Time monitoring of
Energizers, Monitors,
Cameras,
Access Control
and Beams



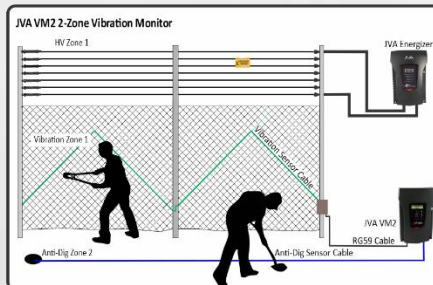
JVA Perimeter Patrol PC

Radio Frequency Interface



Radio Frequency Interface

Monitors and controls:
2 inputs, 2 outputs
Roboguards, PIRs, door
sensors, beams, gates, etc.



JVA Vibration Detection

2-Zone Perimeter
Intrusion Detection
System utilizing
Microphonic Cable that
can be used above and
underground.
Total distance of
350m per zone.

Redundancy Solution Cloud Router®

The JVA Cloud Router® provides access
to your electric fence and other
devices in the field through GSM
and Wi-Fi. Devices are linked to
the Cloud Router® via Nimbus
Gateways. The Cloud Router®
Solution gives a complete
alternate Cloud Based
Software solution to run
parallel to the onsite Perimeter
Patrol system giving a complete
alternate offsite redundancy system.



Site Monitor (Remote)

Enables you to view multiple
sites on a simple platform



Cloud Backup

Remote backup of
configuration,
maps, licence
activation, data



Google Earth Integration

Google earth interface,
Google Earth Map – import
coordinates



HLI – High Level Interface

To enable remote
site monitoring and
customization



Scada Integration

Customization of Sites

Integration with VMS



SDK Software Development Kit

Enables you to view
multiple sites on a
simple platform

IOT – integration LoRaWAN – integration

TTN - The Things Network



Allows customization onto
different platforms

Perimeter Patrol

A powerful, flexible,
intuitive user interface

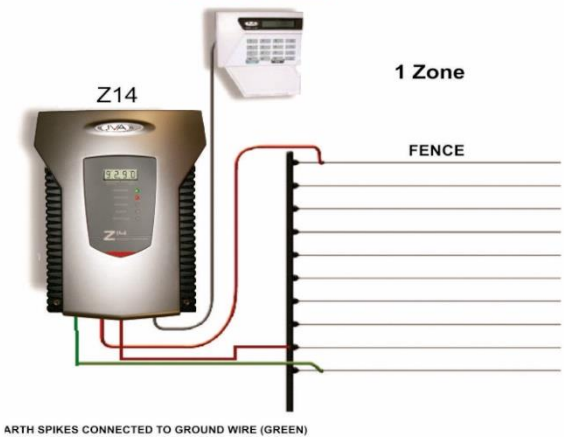
Features Include

- User Authentication
- Remote Access
- Multiple Site Monitoring
- Event Logging/Archives
- High Level Interface API
- Cloud Backup
- Multiple user access levels
- Quick view screen
- Control on schedule
- Global Site Arm/Disarm
- Individual Arm/Disarm
- Export Event Logs
- Print Event Logs
- Built-in relay controller
- Integration
- Serial Comms
- Ethernet Comms
- Alarm Popups
- Map Zooming
- Custom URL (Hyperlink buttons)
- Server/Client configuration
- Alarm Escalation
- Graphical Log View

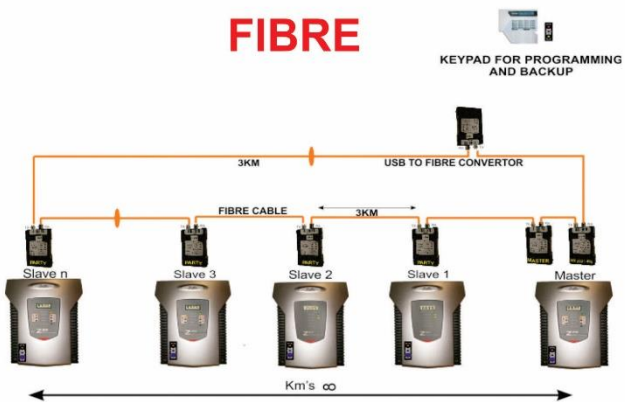
JVA INTERNAL PRODUCT INTEGRATION



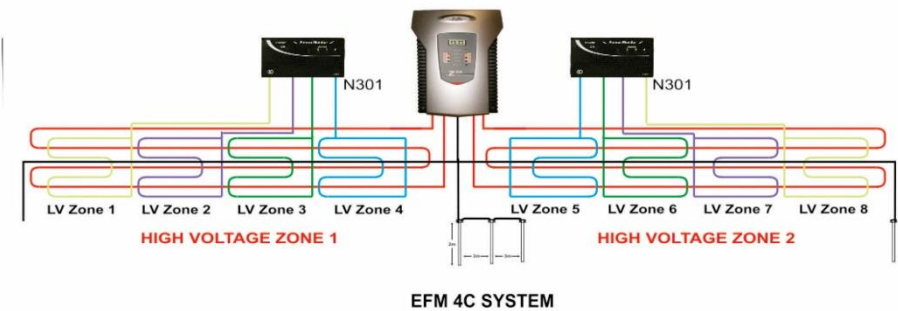
SINGLE



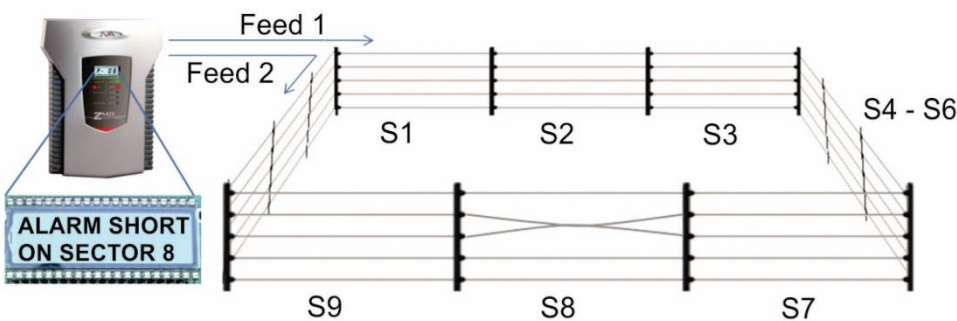
FIBRE



FUTURE EARTH MONITORING INTEGRATION



ZM 20 DISPLAYS SECTOR



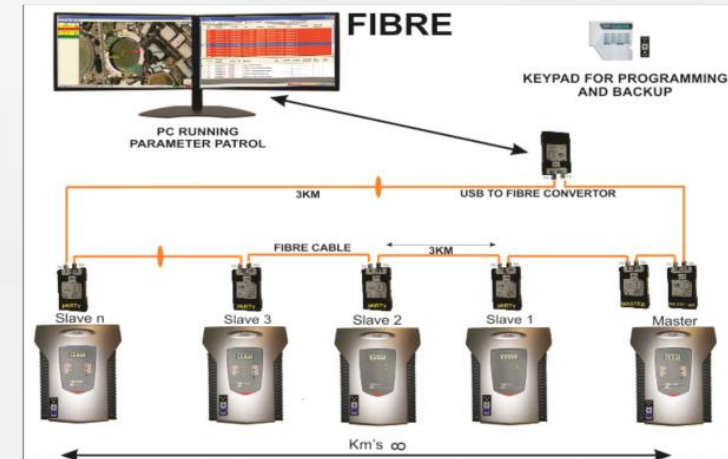
JVA AUX PRODUCT INTERGRATION



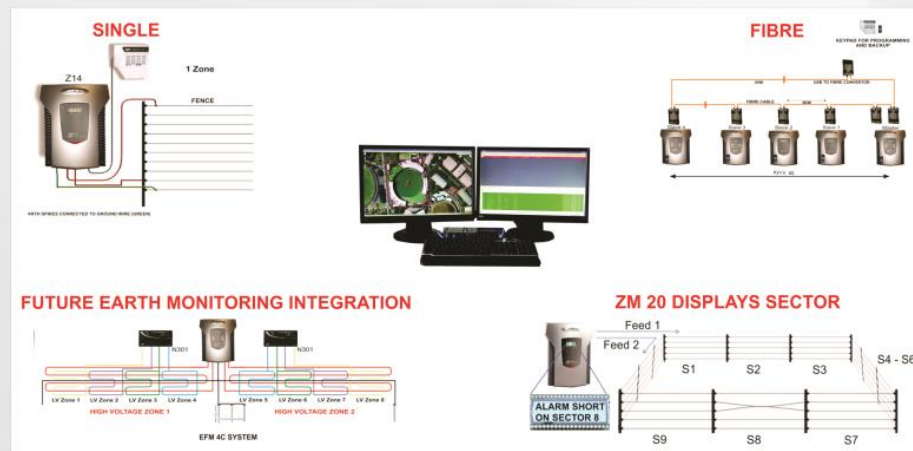
JVA SITE INTEGRATION



Site 1



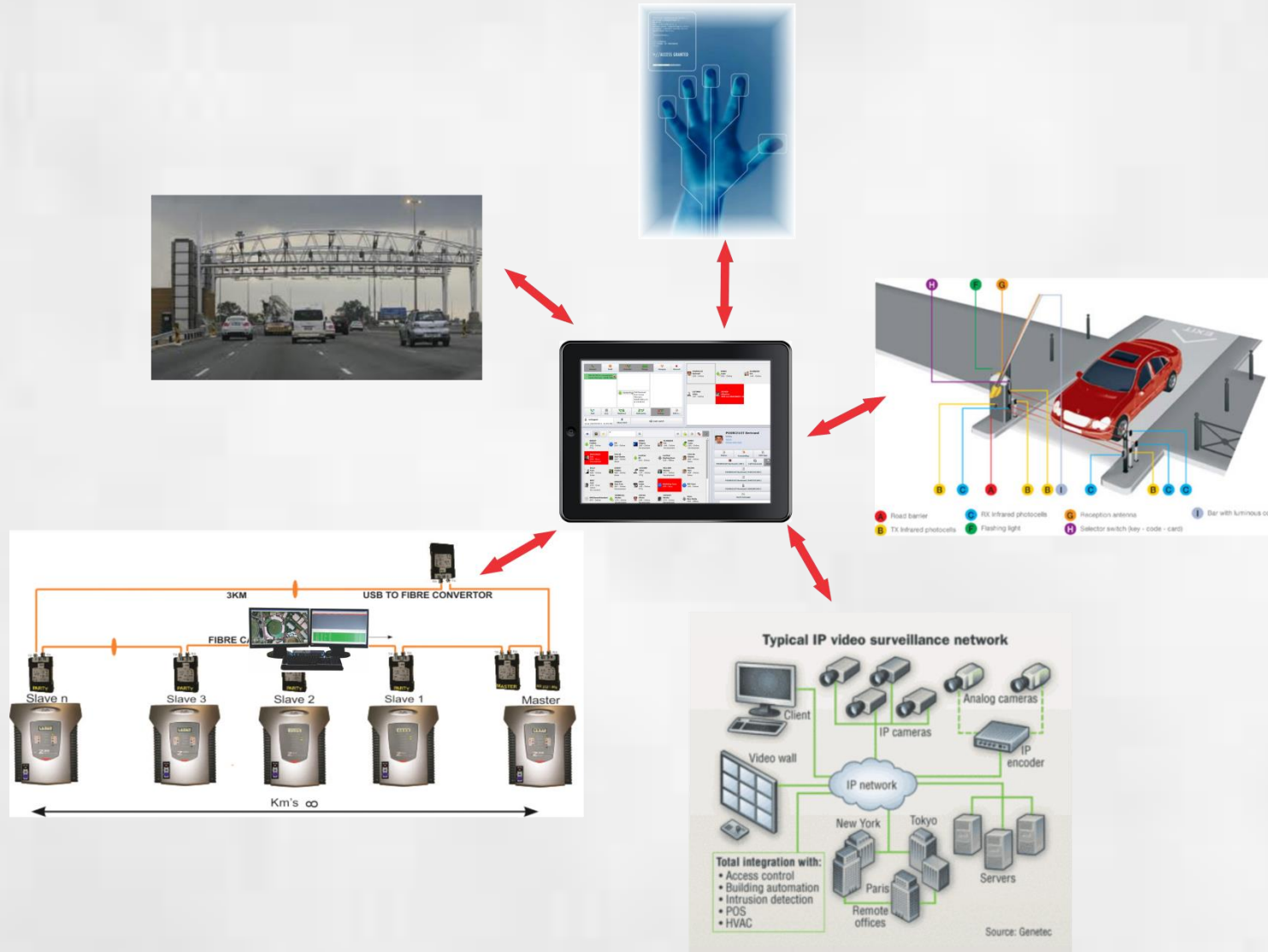
Site 2



Site 3



EXTERNAL MANAGEMENT SYSTEM WITH JVA INTEGRATION





Thank you for your kind attention.
We sincerely hope you enjoyed your JVA experience.

Billy Pullen

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