



VSystem

VSystem is the comprehensive integrated remote telemetry monitoring and control system that enables total remote management of critical equipment, plant and machinery together with the facility to incorporate third party systems and maintenance routines and structures. **VSystem** is designed to maximise the considerable operational cost benefits that can be obtained within the telecommunications, transport sectors and the gas, electricity and oil utility industries in eradicating the potential for asset failure and subsequent unplanned recovery strategies and expenditure.

VSystem combines the installed infrastructure into a single remote management system and is designed for network infrastructures of all sizes and for buildings from small remote base stations to large multi purpose buildings – all are combined into one structured management, monitoring and reporting system. **VSystem** provides advance notice of programmed maintenance requirements, warning of potential equipment defects and instant and resilient alarm and event messaging.

VSystem is designed to meet the needs of small to large installed infrastructures and where necessary the remote site *Vision* telemetry modules are networked to provide in excess of 1,600 digital, 800 analogue and 200 intelligent device to device multiprotocol monitoring points via one secure connection to the *VSys* management software system. *Vision* telemetry modules include flash EPROM technology as standard thereby eliminating the need to visit site for the purpose of installing new program updates.

With **VSystem** virtually any communications medium can be deployed for connection between the Network Operations Centre and the remote locations and where applicable dual communications channels are available to enable complete security of message transfer.

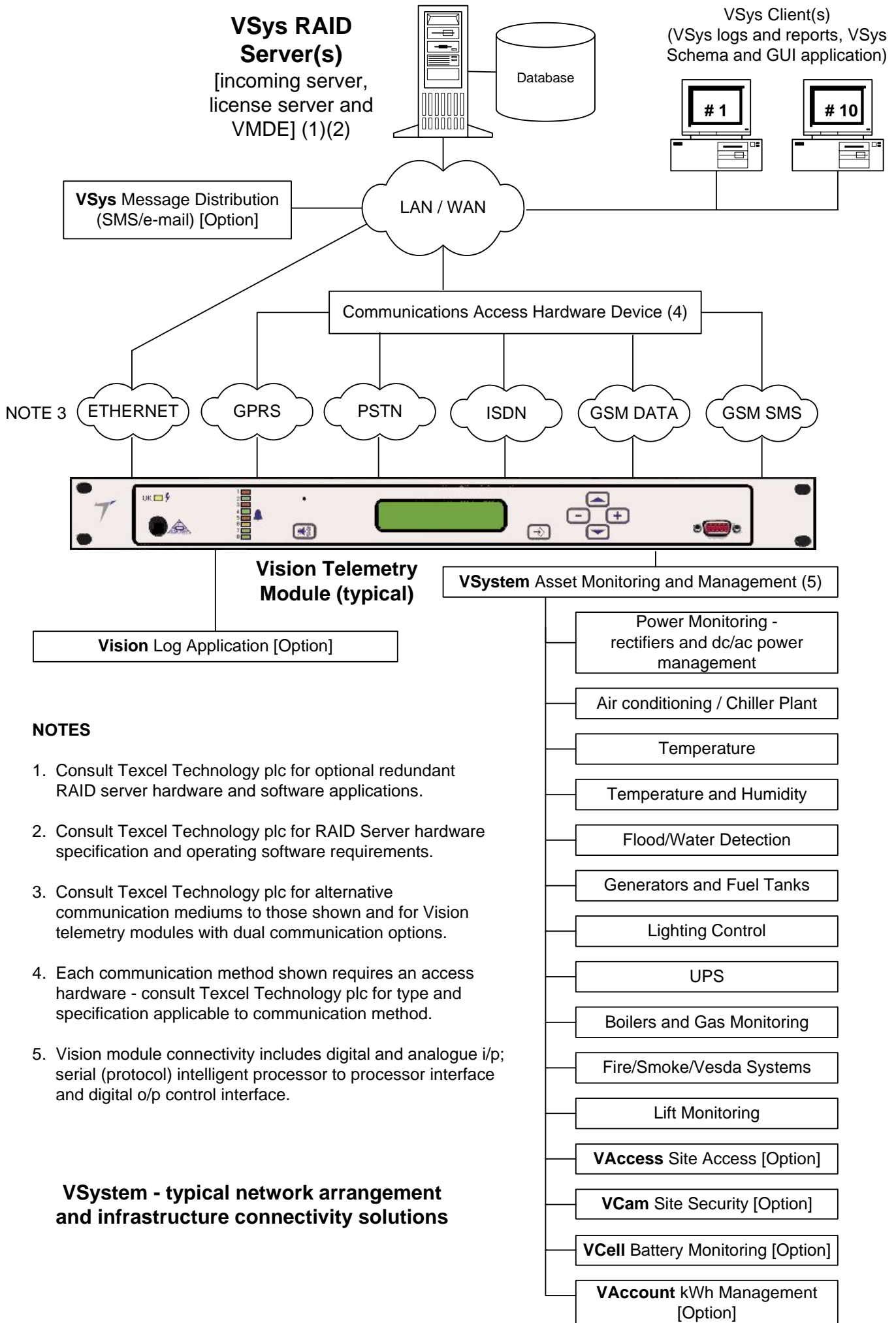
The *VSys VMDE (VSys Message Distribution Engine)* provides instant message forward facilities to support and maintenance staff and management so that infrastructure status is instantly available and actions to minimise asset failures can be implemented.

VSys provides the means to produce customised reports and trend analysis data to aid future planning of equipment and maintenance resources via the *VSys Log Manager* software or via integration with proprietary report software. The maintenance process facility incorporates customised 'Permit to Work' options and associated audit trails. As a required structured maintenance procedure can be included to provide a complete facilities management solution.

VSystem provides secure site access and control via the *VAccess* system and combines both traditional and biometric entry control options. When combined with *VCam* single or multiple interior and/or exterior cameras are available to enhance security so that entry and exit logs are complimented with a visual reference and record.

Monitoring and control of electrical power sources are provided so that ac and dc power is monitored effectively and is combined with the *VCell* battery monitoring solution as required. Incorporation of *VAccount* provides the facility for accurate kWh monitoring and billing options to be included. As required the supply of electricity can be locally and/or remotely supervised with automatic monitoring of the electrical supply assets so that power consumption is regulated and costs controlled.

VSystem provides a proven resilient and reliable solution for successful remote management of site infrastructures and is the result many years of experience with the philosophy of providing a total and complete asset monitoring and control solution that meets the specification and is flexible to meet the changing demands of today and in the future.



NOTES

1. Consult Texcel Technology plc for optional redundant RAID server hardware and software applications.
2. Consult Texcel Technology plc for RAID Server hardware specification and operating software requirements.
3. Consult Texcel Technology plc for alternative communication mediums to those shown and for Vision telemetry modules with dual communication options.
4. Each communication method shown requires an access hardware - consult Texcel Technology plc for type and specification applicable to communication method.
5. Vision module connectivity includes digital and analogue i/p; serial (protocol) intelligent processor to processor interface and digital o/p control interface.

VSys - typical network arrangement and infrastructure connectivity solutions