



## VSys Message Distribution Engine

The VSys Message Distribution Engine (VMDE) is a message alert system that incorporates a management application that enables alarm and / or event messages to be automatically forwarded to recipients, also known as users, via SMS and / or e-mail. A message recipient is an individual or group of individuals who are to be notified of alarm and / or event messages from individual or groups of remote sites and be informed of the corresponding alarm and / or event clear (reset). The system is designed to aid those who do not have constant access to the monitoring and control system network and who wish or are required to be notified of all or specific alarms and / or events. VMDE is an important element in the management and day to day operation of the support asset infrastructure for critical equipment at remote sites.

The system is especially useful in applications where monitoring of the remote site asset infrastructure is not practical in out of normal working hours or where 24/7 monitoring is not always possible. For networks where monitoring is maintained on a constant basis VMDE benefits management and operations staff who need to be aware of critical operational issues and do not have immediate access to the asset monitoring network via a computer.

Alert messages to the recipients are sent via SMS and / or e-mail and the message includes all the information necessary for the recipient to establish the nature of the fault, the remote site concerned and the time that the alarm / event occurred. When the alarm or event is cleared a corresponding clear message is transmitted.

VMDE is configurable and enables recipients to be notified of alarms and events on a 24/7 basis or alternatively on specific days and for specific periods during the day. The system can also be configured so that recipients receive message via SMS and e-mail during different times of the day. VMDE can for example, be configured to notify a recipient of an alarm or event during the hours of 18h00 to 08h00 Monday through Friday and for all hours on Saturday and Sunday. VMDE can quickly and easily be reconfigured to take account of public holidays and periods when notification to the recipient should be disabled. The system enables two or more recipients who have responsibilities for management / maintenance of the asset infrastructure to be automatically notified of alarms and events during different periods of the day.

Recipients can be notified on an individual remote site basis or for groups of remote sites and the system enables regional staff to be informed of specific faults and problems in their region and provides an automatic alert mechanism for technicians to investigate faults when they occur without the need for central network staff to be involved in the notification process. Recipients can be notified of alarms depending on criticality and this enables alarm escalation processes to be invoked.

The transmission of all messages is displayed in the VMDE Notification List Log on the VSys Client and includes the current status of the message distribution. A message failure alert sent via SMS and / or e-mail informing the System Administrator or designated person of a message transmission failure to a recipient can be configured.

For further details on the configuration of alarm / event message recipients and the configuration of VMDE see VSys User Manager manual version 2.0.0 or later and VMDE User Guide version 1.0.0.

### Glossary:

E-mail	Electronic mail
Remote Site	A location that is normally remote from the VSys management system and where a Texcel Technology plc Vision telemetry module(s) is installed e.g. a cabin, building or similar structure.
SMS	Short Message System
VSys / VSys Client	The Texcel Technology plc software management system and the application within the VSys suite running on a client machine that provides the front end interfaces to the user.