mmVu® Integrity Monitoring System (IMS) is a useful tool to maximize uptime of GNT’s mmVu® system. The mmVu® IMS consists of a combination of hardware and software components that oversee the performance of mmVu® system. It minimizes costly site visits and reduces the risk of performance uncertainty. In effect, the mmVu® IMS is “a monitoring system for monitoring systems.” When uptime is crucial, let GNT’s IMS technology do the work.

Features

• Continuous hardware uptime monitoring
• Efficient diagnosis of potential performance issues
• Quick remedial measures when necessary
• Remote troubleshooting of GNSS station devices and the PS100
• Autonomous diagnosis of GNSS receivers
• Automatic rebooting of locked up devices
• Watchdog on the Ethernet communications and streaming data packet errors
• Routine check-up on the status of the mmVu® Engines failures
• Thresholds set-up to alert the failures of mmVu® Software
• Automatic e-mail service (AES) for registered e-mail recipients
• Short Message Service (SMS) for registered mobile recipients
• Automatic registration of the mmVu® Software network to bypass system authorization

mmVu® IMS Global: Server Level IMS Components

There may be the possibility that mmVu® monitoring system itself may fail to be responsive by any reason. To detect such a case, GNT utilizes its mmVu® IMS Server technology to monitor its mmVu® monitoring systems scattered across the sites nationwide, or even worldwide. The mmVu® IMS Global is for integrated overseeing of mmVu® Systems scattered globally. Here, mmVu® IMS Server listens for pulses of mmVu® monitoring systems from each project site, and if an mmVu® monitoring system is not responsive, the mmVu® IMS Server will attempt to resuscitate it. As a last line of defence, notifications from mmVu® IMS Server are sent to appropriate authorities to make sure expedient action is taken in time.

mmVu® IMS Local: Project Level IMS Components

At the project site, the performance of all field devices can be monitored by using the IMS module in mmVu®. Each field device is like a body part receiving pulses from the heart. If a field device doesn’t hear from the heart for a set period of time, the device is resuscitated locally. All device activity is logged on the IMS module in mmVu®.

Implementation

Implementation of the mmVu® IMS involves installing the necessary IMS components to facilitate GNSS station devices and the PS100 Local Server computer monitoring. By subscribing to one or multiple mmVu® IMS Plans, activate mmVu® IMS software to begin monitoring.