

## Intelligent Plant Control System

### EMPOWER

Empower provides a 21st Century solution to controlling Medical Gas plant and components.

It is based on innovative digital technology, developed by the R&D Group at SHJ Hospital Pipelines Ltd. Empower provides touch screen identification and control for medical gas plant. The system automatically maintains plant at optimum working levels.

#### Benefits:

- Automatically notifies the MGPS Authorised Person of any system changes
- Automatic e-mail notification helps record incidents
- Automatic e-mail/SMS of remedial action closes the reporting loop
- Touch screen interrogation of the change in plant condition, confirms plant status
- Help Screens are specific to every level of fault
- Component identification takes the engineer straight to the fault
- Graphical representation shows actual layout of the system
- Photographic image shows actual plant installation
- Plant always runs at optimum operational levels, by automatically maintaining the parameters set
- View status on-line from any PC with Internet access (password protected web site)
- Status report logs help maintain records
- Installed by a Medical Gas Quality Assured Company
- Identifies individual faults in components in medical gas plant
- Web browser interface as a backup service
- Touch screen for local control
- Automatic duty cycle for dryers and compressors
- Remote fault acknowledgement – “engineer has identified faulty component”
- Intelligent on-screen fault assistant to component level
- Plant always runs at optimum operational levels
- Provides fast identification through on-screen schematics
- Measures include: temperature, pressure, amps, hours run, dew point
- In-built log for review reports
- Shows photographic image of fault area for easy identification
- Self-test for positive quality control
- Empower eases the burden on plant maintenance personnel
- Empower complies with HTM 02-01

