# Evolution
## SHJ's Remote Medical Gas Alarm Monitoring System

## What is Evolution?

Evolution revolutionises the way hospitals monitor and react to Medical Gas alarms.

Evolution consists of a centrally positioned, simple to understand intuitive touchscreen, which lets Estates Managers, Authorised Person (MGPS), and on-call engineers know what is happening as it happens. It notifies hospital personnel what to do, who to contact, details of a fault, and where a fault is located, saving staff valuable time, and keeping them constantly informed on how a fault is being taken care of.

Evolution is monitored 24/7 365 days a year by SHJ as a digital add-on to existing alarm systems. Once a fault occurs, the details go straight to SHJ, who then organise for an engineer to attend to the fault.

A fantastic benefit of this remote monitoring capability means that your switchboard staff no longer have to relay alarm information to relevant personnel or engineers, who then have to determine the severity of the alarm and react accordingly. SHJ can now handle the entire process on the hospital's behalf, significantly reducing the amount of time it takes to rectify a fault.

Evolution keeps hospital staff updated on a fault's progress by e-mail, SMS, or voicemail, and records of the fault are automatically updated, and summary reports produced for specified periods, for review meetings, together with response times (for SLAs) and improvement targets.

Evolution is available over cloud services, and can be streamed to remote devices.
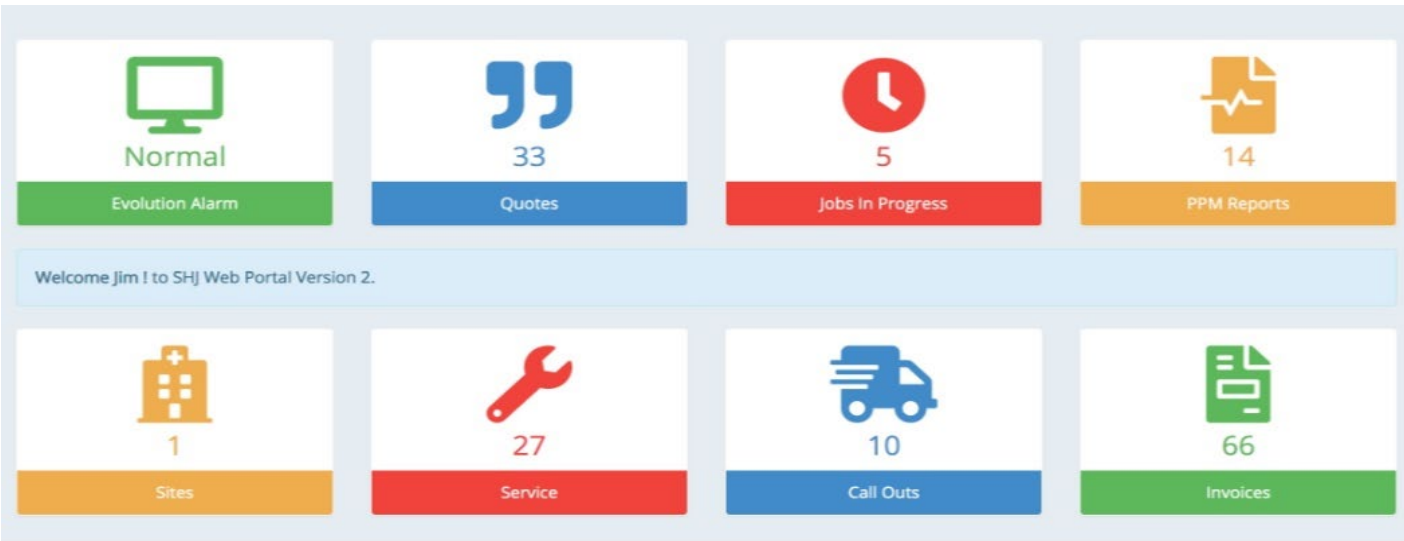
## What does Evolution look like?
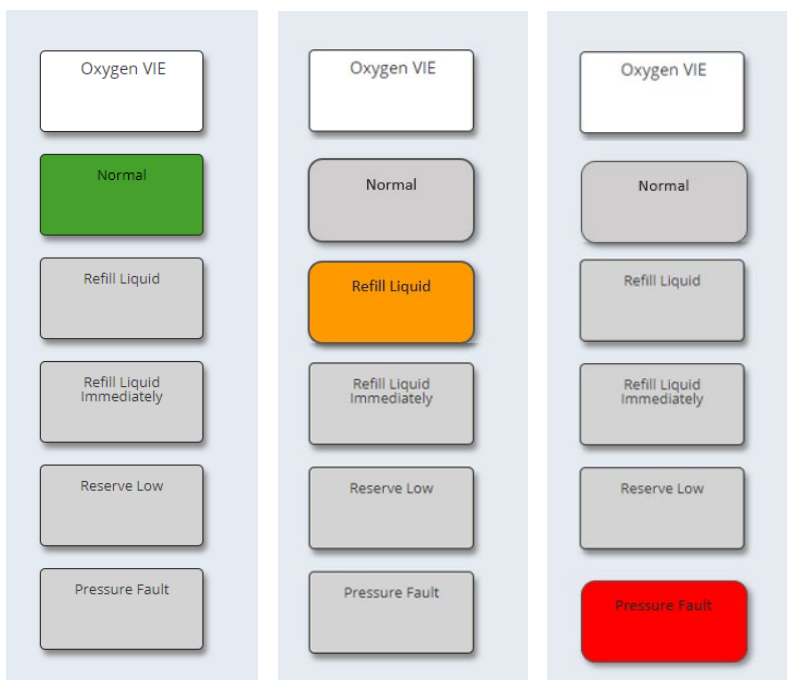


Here is Evolution's simple to understand intuitive touchscreen.
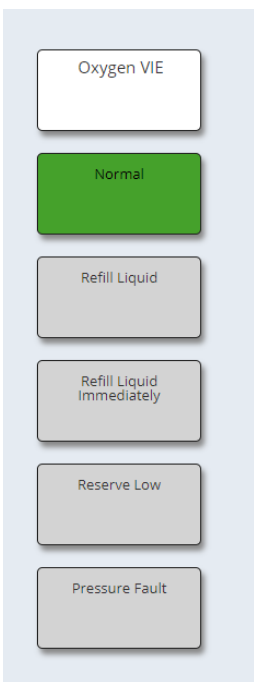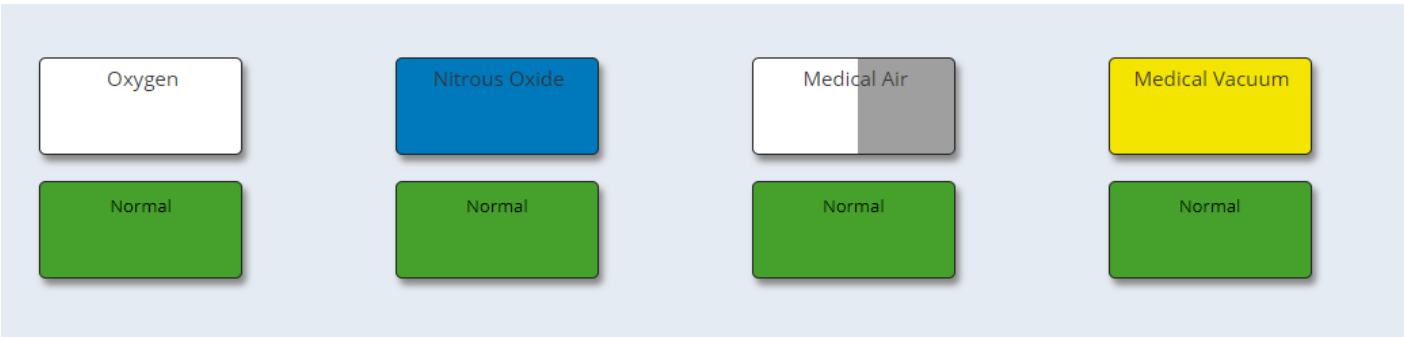
A green light indicates that an alarm is normal, whilst amber or red lights indicate that an alarm needs attention.

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SHJ MEDICAL GAS SPECIALISTS
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Logging into SHJ's online portal provides even more detail on Evolution's functionality.

Once logged in, the user is presented with the below screen, which shows a green Evolution Alarm box, which means everything is normal. If the box was amber or red, then action would need to be taken.

| Normal | 33 | 5 | 14 |
|--------|------|------|------|
| Evolution Alarm | Quotes | Jobs In Progress | PPM Reports |

Welcome Jim ! to SHJ Web Portal Version 2.

| 1 | 27 | 10 | 66 |
|------|------|------|------|
| Sites | Service | Call Outs | Invoices |

Once the user selects Evolution Alarm, they will be taken to the following screen, which shows the user of the current status of each plant.

| Oxygen | Nitrous Oxide | Medical Air | Medical Vacuum |
|--------|---------------|-------------|----------------|
| Normal | Normal | Normal | Normal |

Oxygen VIE

Normal

Refill Liquid

Refill Liquid Immediately

Reserve Low

Pressure Fault

If the user would like to see more detail on the Oxygen plant, the user would click on Oxygen, which would then bring up the screen on the left.

On this screen each box shows a different colour depending on its status. The Normal box is green, which means everything is working.

An amber or red box would mean that attention is needed.

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To view fault records, for example to view fault reports on Refill Liquid, the user would select Refill Liquid and the following screen will come up.

| Description | Date | Time | Status |
|---|---|---|---|
| OXYGEN VIE Refill Liquid | 2019-07-09 | 11:57:44 | END |
| OXYGEN VIE Refill Liquid | 2019-07-09 | 11:57:30 | ALM |
| OXYGEN VIE Refill Liquid | 2018-12-14 | 11:37:38 | END |
| OXYGEN VIE Refill Liquid | 2018-12-14 | 11:36:30 | ALM |
| OXYGEN VIE Refill Liquid | 2018-12-05 | 08:11:06 | END |
| OXYGEN VIE Refill Liquid | 2018-12-05 | 08:10:42 | ALM |

Each record is colour coded so users can easily see at a glance how each fault progressed. The user can also view the date the fault occurred, the time it was resolved, and the final status.

## Evolution's features and benefits

### Features

- Simple to understand intuitive touchscreen
- Can be located anywhere on a hospital LAN
- Alarms are directed to the right person
- Easy to access historical data
- The Authorised Person (MGPS) is always aware of the alarm
- Alarm conditions are reported on a real time basis
- Readily upgradable
- Comes with a five-year warranty, supported by a BSQ Assured company

### Benefits

- 24/7 remote monitoring through a secure network
- Available over cloud services, and can be streamed to remote devices
- Keeps hospital staff updated on a fault's progress by e-mail, SMS, or voicemail
- Records of faults are automatically updated and summary reports produced, helping to reduce litigation
- Conforms to HTM 02-01
- Monitored 24/7 365 days a year by SHJ, saving on call-out charges
- Intuitive touch screen tells you what to do, who to contact, and where the fault is
- Simple installation
- Provides a total picture of plant and alarms
- Offers peace of mind

## Awards won

Evolution won an Innovation Award in 2008, in recognition of pioneering, entrepreneurial and forward-thinking business practice in the Thames Valley.

**THAMES VALLEY AWARDS**
BUSINESS & COMMUNITY

# Evolution testimonials

Evolution has been highly praised. Here's just some of our recent feedback.

*"Our engineers can manage their time better, knowing alerts are being sent to the on-call engineer."*
**Charing Cross Hospital**

*"We know exactly what is happening from the Estates office, before we are called by the switchboard staff."*
**Hammersmith Hospital**

*"We cover Queen Charlotte's Hospital next door, as well as Hammersmith from the Estates office, but always have SHJ in the background remotely monitoring anyway."*
**Hammersmith Hospital**

*"Now we have Evolution, we don't have to rely on handwritten logs anymore, that frankly weren't that accurate."*
**Wycombe Hospital**

# Evolution's future developments

Some exciting developments are in store for future iterations of Evolution, which will make faults even easier to identify and rectify.

Some of these include:

- Detailed site plans with images and descriptions on how to access even the most difficult to find plants so all personnel, especially new starters, can easily rectify faults
- Fault trend reports, which will identify fault patterns helping to stop certain faults from reoccurring
- A process for changing cylinders
- Access to a knowledge base section where users can access documents such as manuals



**For further information on Evolution please contact SHJ on 01494 782168**