

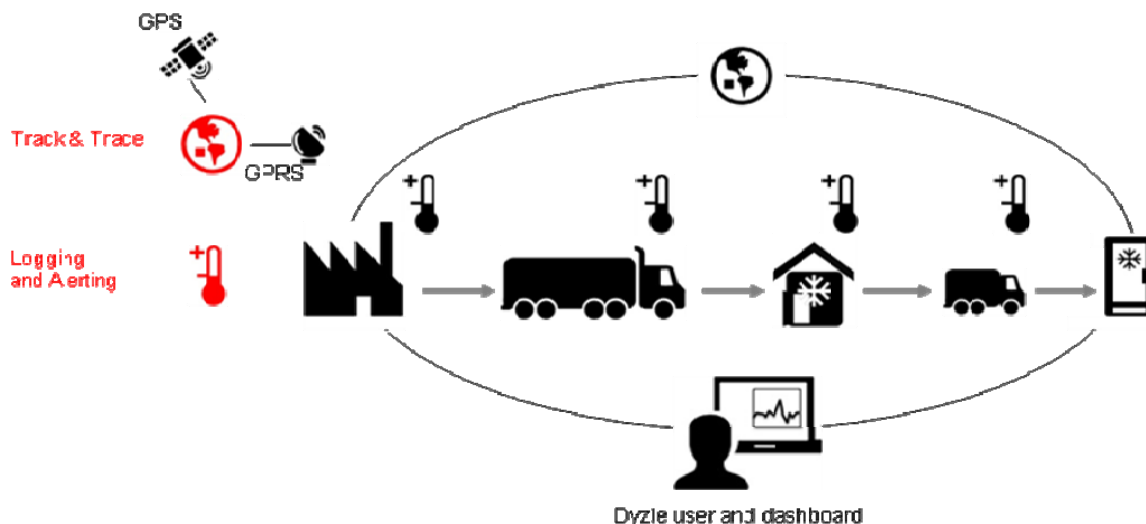
Quality and safety assurance of the cold chain

Effortless round the clock temperature control for pharmaceuticals

For every quality assurance manager, logistics manager and pharmacist there is a simple and reliable solution available to assure the quality of pharmaceuticals. Dyzle offers a solution that monitors the environmental temperature of temperature-sensitive products in real time. This innovation enables you to fully automate quality control and compliancy.

Reassurance

Dyzle's Y-Tags take the management of environmental requirements out of the hands of the user. This automated monitoring increases efficiency by saving time since alerts will only be raised when necessary. Users are continually reassured knowing that all cooling systems are working properly and that the pharmaceuticals are kept under the required temperature. Even during transport the temperature is validated by monitoring in real-time. Every 5 minutes the quality of your product is checked and if the temperature goes out of the range, a rapid alert by text message or e-mail is generated automatically. Besides managing the quality during production, storage or transportation, you can trace products during distribution. Alerts can be raised if products deviate from the predetermined route, during an unscheduled stop or when the door of a vehicle is kept open for too long. Naturally, you see the location of your vehicles and monitor the quality of your goods on your personal dashboard on the internet.



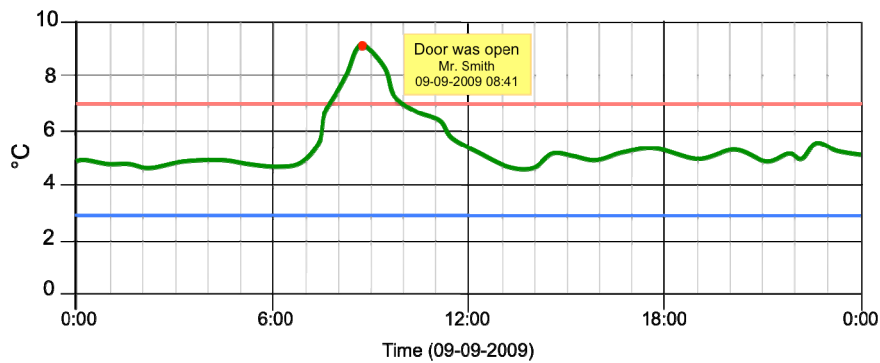
DyzleLiveWare® tracks products, both location and condition, throughout the chain 24/7 in real time.

Quality Guarantee

Upon arrival, an automated E-mail can be sent to your customer containing graphs or tables showing the temperature during storage and transportation from point of origin to end customer. With this you are able to give a 100% quality guarantee of pharmaceuticals through the complete supply chain.

Reporting

Based on recorded data you can also create automated reports. Each user can, for example, create an automated report, as part of their Quality Management System. Cold chain data, from suppliers that use the DyZle solution as well, can easily be integrated into these reports.



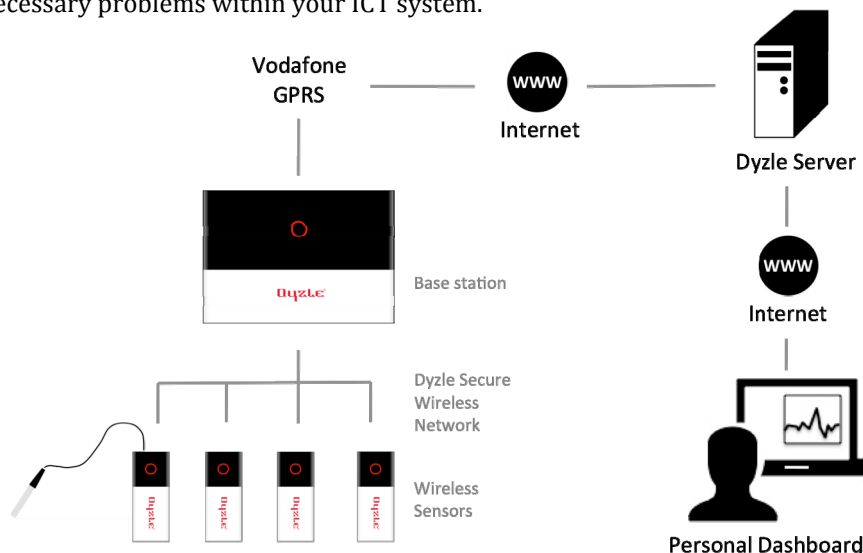
A graph of your personal dashboard on the Internet with SMS alarm and e-mail alarm

Alerting

The measurements, taken every 5 minutes, are shown to you in real-time on a web application. You can set thresholds for every sensor. When a threshold is crossed an alert is sent out by E-mail and/or text message to as many addresses as you want. You can set the duration and frequency of the alerts. An example regarding the GMP/GDP and HACCP (food safety) standard is the continuation of an alert until it is acknowledged via the web application.

The system

The DyZle solution is entirely wireless and hence can be installed anywhere as plug and play. The wireless sensors run for 2 years on one battery. The variants can record a large number of different values such as temperature from -85°C to +200°C, location via GPS, door open/closed and relative humidity. The sensors transmit their information to a base station which also contains GPS and is in contact with the DyZle server via the mobile phone network. The data is stored here so that you can always view it on the Internet via your personal dashboard. No software needs to be installed for your DyZle application, which prevents unnecessary problems within your ICT system.



The sensors measure and communicate with the central DyZle server wirelessly every 5 minutes via the base station.

Distributed in the UK/Ireland by
 BlueSight Systems Ltd
 Bath Brewery, Toll Bridge Road, Bath. BA1 7DE
 United Kingdom
www.bluesight.co.uk
 +44 (0) 1225 899098

