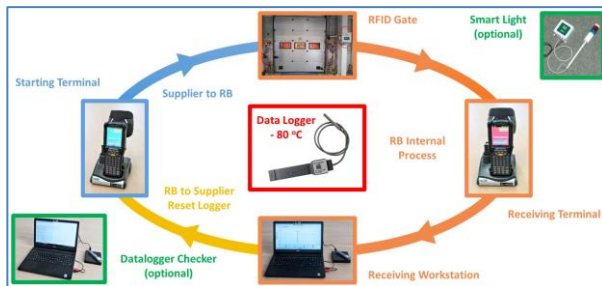


sGIN / EELOG-CVQM – part of CASC-AID



Source: BBC News (<https://www.bbc.com/news/technology-54889084>) – 15/12/2020

- End-to-end track & trace of temperature sensitive products
- Usage under extreme frigid conditions: until -80°C
- Unit level identification - multi-product, continuous inventory
- Storage, transport and receipt of goods under quality control
- Correct, auditable cooperation between supply chain partners
- Customizable workflow solution based on RFID and Barcode technologies
- Automated ID at predefined places and gates
- Logging of external trigger events into the logfile
- Easy integration, data exchange with different external systems

CVQM - Covid Vaccine Quality Management

Usage:

The pharmaceutical company puts the RFID Data Logger Tags onto the packages to be transferred.

The temperature sensor of the Tag is placed through the pre-made thermally insulated holes into the package full of vaccines.

Data:

The environmental data during transportation gets logged into the Tags with a time stamp.

Data can be extracted and analyzed at receipt of goods by RFID antennas or RFID handheld terminals.

Quality Control:

The system warns with multilevel alarm in case of any out of range temperature issue during goods-in processes in the warehouse and during the whole shipping processes.

Storage:

By the RFID system a multi-product inventory can be supported related to all the packages.

Hardware & Software requirements:

- Handheld terminal (RFID, barcode reader, Wi-Fi) & MDC (thick client)
- PC (Ethernet / Wi-Fi) & MS Windows
- Server & MS Windows, MS SQL Standard
- RFID system (controllers, antennas, desktop RFID readers), GPIO controller and audio-visual warning devices
- Tags (EELOG-80)

Tag Specification:

Type:

- EELOG-80
- Semi-passive UHF RFID Tag
- EPC Class1 Gen2/ISO 18000-6C compatibility

Dimensions:

(L) 130 x (W) 30 x (H) 15 mm (excl. sensor)

Operating Temperature:

-80°C to +70°C

Protection class:

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