DPMS – Digital Parachute Management System

SPELCO

BENEFITS

- **Modular software architecture**
- **Customer-specific configurations**
- **Adaptable to future RFID-requirements**
- **Equipment and product transparency (status/availability/usage plan)**
- **Cost saving options**

Modern parafoil parachute systems comprise of approximately 15 subsystems with over 50 modules, including parachute, oxygen supply, communications and navigation equipment.

All these modules are equipped with a RFID transponder (chip) which provide quick and clear identification to the parachute management system.

The RFID Equipment Management system for parachutes, is a high performance software solution which interactively supports the user in all logistical processes such as maintenance, test and repair. It captures and manages all information about movements and status of the parachute system digitally and in real time. All status changes are then collected in a central database and stored in an electronic „life history" file. This way, a detailed overview, report and complete history for each montitored module and component can be generated at any time.

Reference:
German Bundeswehr – Parafoil parachute system was supplemented with logistic solutions to improve the operational capability of the special units KSK and DSO.

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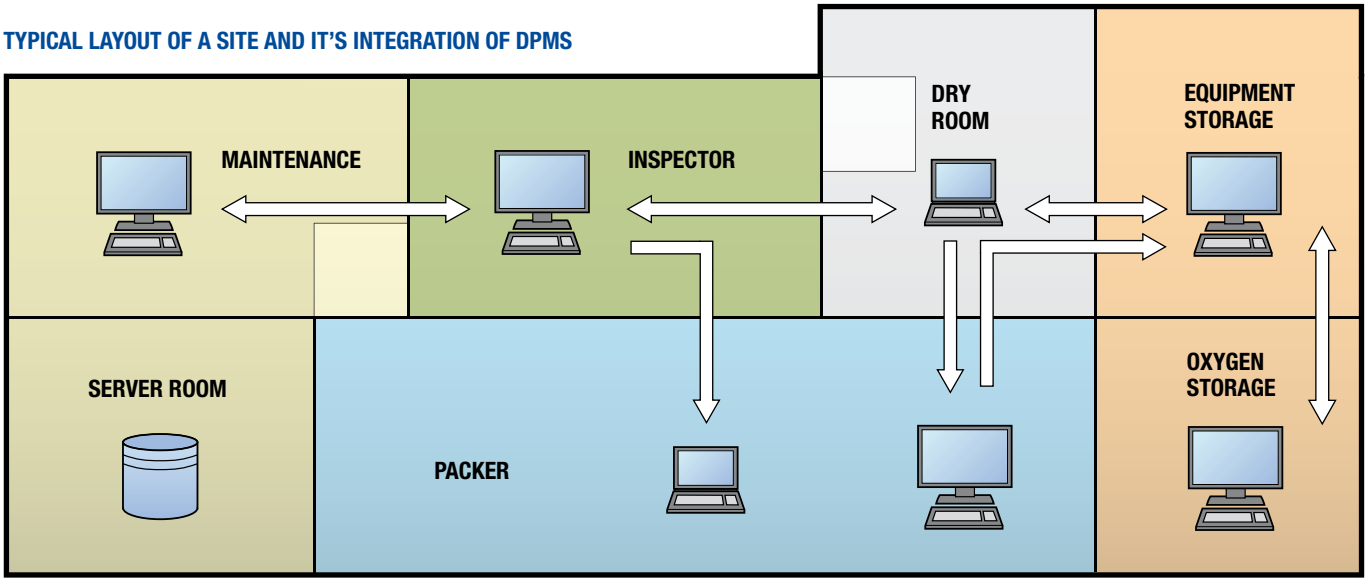
TYPICAL LAYOUT OF A SITE AND IT'S INTEGRATION OF DPMS



MODULAR CONCEPTS OF DPMS

Advanced reporting and evaluation module

Keep highest possible transparency (status, readiness, usage plan)

Business module

Support of all logistical processes concerning maintenance, test and damage handling

Advanced business module

Support of all mission processes concerning inside or outside transactions

Digital Parachute Management System DPMS

Administration module

Advanced right and group policy to define individual user profiles

History module

Store of all movement and status changes in life cycle database for further processing and reporting

Control module

Continous monitoring of all equipment parameters for real time decisions concerning state of readiness

Interface module

Interaction with various identification technologies such as RFID, barcode or keyboard

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