

# Control and visualize clean room air systems with DnC Light

Draw and Control - Light (DnC Light) was developed for easy control and visualization of systems up to 126 Filter Fan Units. The installation, commissioning and monitoring of the FFUs is greatly facilitated. In ad-

dition, with programmable scripts, prioritized tasks can be created and assigned to the individual filter fan units and groupings.

## The Functionality

A touch panel PC is used for intuitive operation and visualisation of the ceiling grid layout with clean room walls and Filter Fan Units.

The drawing of the clean room, the commissioning and control of the fans can be done completely in one program.

A future expansion of the cleanroom can be integrated seamlessly into the existing system. Also functional upgrades as well as planned troubleshooting can be easily installed and unlocked on the target computer.

The monitoring of the cleanroom performance such as e.g. power consumption and the current speed of the FFU can also be conveniently carried out via mobile phone and tablet.

An optionally connected IO module with 6 digital inputs and 6 relay outputs can be used to establish a connection to the building control system.

## System architecture

### Integrated:

A: Panel PC with DnC Light

B: USB RS485 Interface with

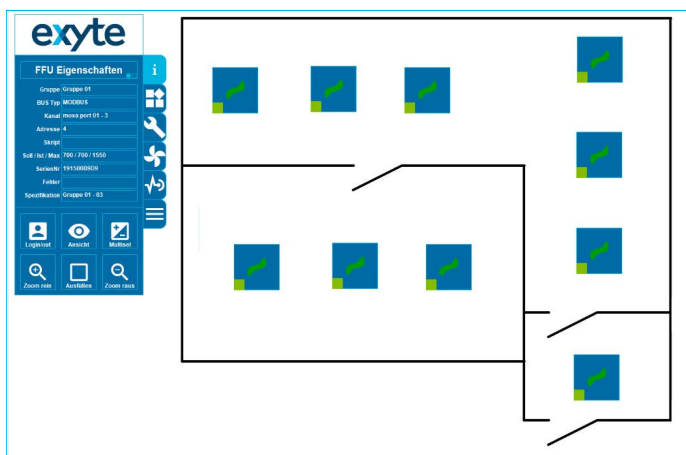
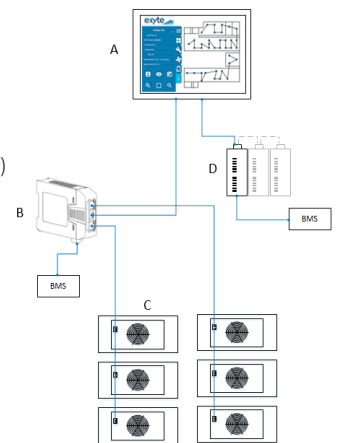
integrated change over relay

C: FFUs (2 Channels / each 63 FFUs)

### Optional:

D: IO Module (6 Inputs / 6 Outputs)

Designed for system concepts up to 126 FFUs.



DnC Light Interface with Cleanroom ceiling grid

The DnC Light control system displays the power consumption (in kWh). Every 10 seconds, the total performance of the FFUs in the system is determined and stored as a data point. In an interface, the performance is displayed over time. There you can determine how much kWh for example, per week is consumed and the power consumption of the fans can be monitored. The feature thus also helps to keep an eye on the maintenance costs of the fans.

Using automated scripts (e. g. Day/night reduction; week-end reduction) the power consumption can be minimized.

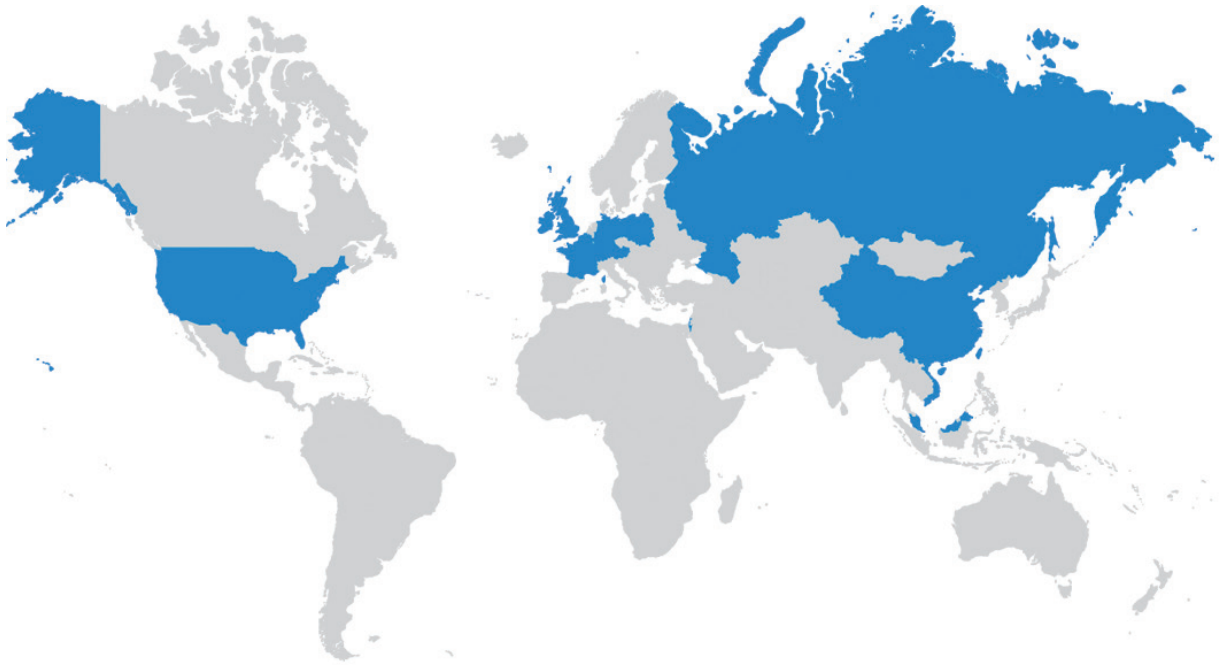
## Features

- Language: English and German
- Comfortable operation with touch display
- Cleanroom graphically displayed
- Up to 126 FFUs
- Auto and manual installation of FFUs
- Script programming and prioritization
- Mobile monitoring possible (web server or mobile devices)
- User rights configurable
- Error management
- Grouping of FFUs freely selectable
- Connectivity to BMS through IO Module
- Communication: MWBUS, MODBUS/RTU

Article Number	523735K
Display	10.1"
Panel PC Operating System	Microsoft Windows 10 IoT Enterprise
Memory	4 GB
Mounting*	Enclosure (Standard)

\*Optional = Wall mounted

# Local Support Wherever You Need Us



**Exyte Technology GmbH**  
Rosine-Starz-Str. 2-4  
71272 Renningen  
Germany  
Phone +49 711 8804-8000  
Email [info@exyte-technology.net](mailto:info@exyte-technology.net)

**Exyte Technology Shanghai Co., Ltd.**  
No. 139 Beimin Road,  
Chedun, Songjiang  
201611 Shanghai, China  
Phone + 86 21 37838360  
Email [info@exyte-technology.net](mailto:info@exyte-technology.net)