

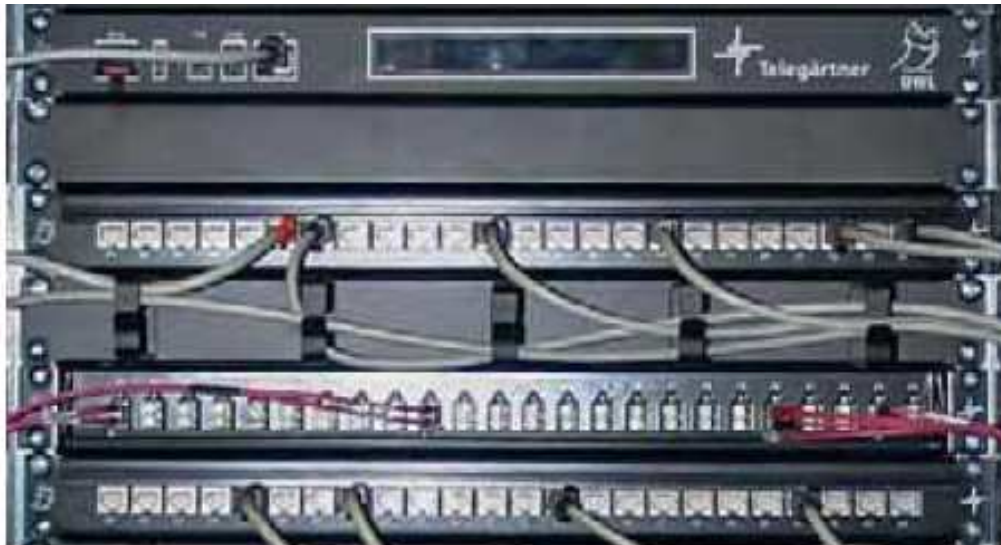
Automated Infrastructure Management (AIM)





What is Automated Infrastructure Management?

- **Automatic documentation tool**
- **Security tool supervising patch connections**
- **Design and planning tool**





Benefits

Automatic documentation

- **Network documentation is up to date**
- **No forgotten information**

Security and alarm device

- **Unscheduled patches lead to an alarm**

Design and planning tool

- **Capacity status at a mouse click**
- **Schedule work orders**
- **Easier designing and planning of new networks**
- **Makes MAC (moves, adds and changes) easier**



AIM – What the standards say

ISO/IEC 14763 demands documentation

**ISO/IEC 14763-2 describes functionality and scope of AIM
(Automated Infrastructure Management)**

EN 50174-1:2015 Appendix F recommends an AIM system for

- **networks with more than 100 outlets in office an industrial environment**
- **remote subsidiaries/locations**

EN 50600-2-4 Chapter 10 specifies automatic documentation of data centres according to level 4



Telegärtner's AIM solution

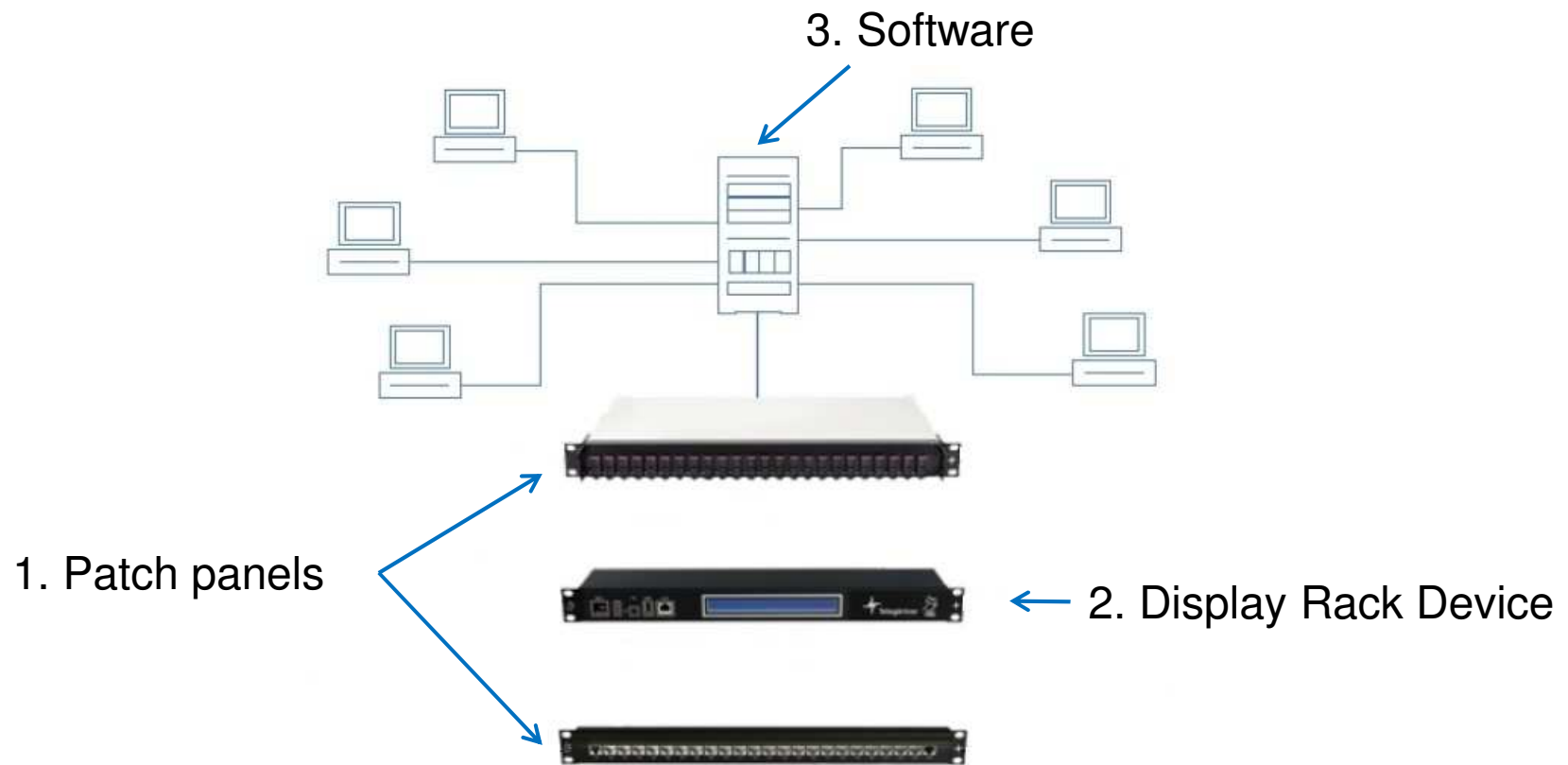
Intelligent Patch Management System **OWL**

- **Exceptional perception even under adverse conditions**
- **Always in the know :-)**





OWL components





Owl – how the components work together

RFID tag on the plug of patch cord



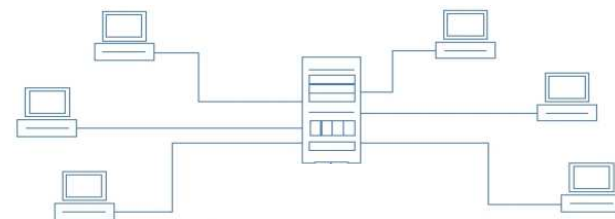
detected by antenna on the panel.



**Information collected by the
Display Rack Device**



**and sent to the central software
to check, evaluate
(create alarm if necessary)
and update data base.**





OWL components – Patch panels

- **Based on Telegärtner's proven standard patch panels**
- **Antennas to read RFID tags on the patch cords**
- **Copper panels**
 - **24 ports for AMJ modules**
 - **1 HU**
- **Fibre optic panels**
 - **24 port LC duplex**
 - **24 port SC duplex**
 - **both 1 HU**
- **Standard patch cords with additional RFID tags clipped on**





OWL components – Display Rack Device (DRD)

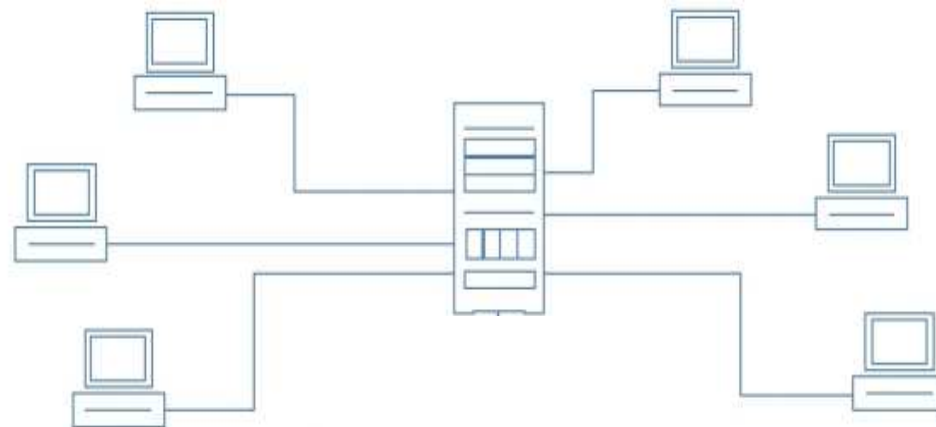
- **Electronics to collect the data from the panels via bus cable (up to 42 panels)**
- **Connects to the LAN**
- **Sends information to patch administration software**
- **Has a 2-line LCD**





OWL components – Software OWL PAS

- **OWL PAS (Patch Administration System)**
- **Uses standard browser software (e.g. Internet Explorer, Firefox, Chrome, ...)**
- **Licences according to network size – pay as you grow (up to 2,500, 5,000 10,000 ports)**





Installing OWL

- 1. Mount panels and DRD in rack/cabinet**
- 2. Connect panels and DRD via bus cable**
- 3. Connect DRD to the LAN and power it up**
- 4. Enter basic configuration (OWL PAS software has to run on a server)**





Retrofit

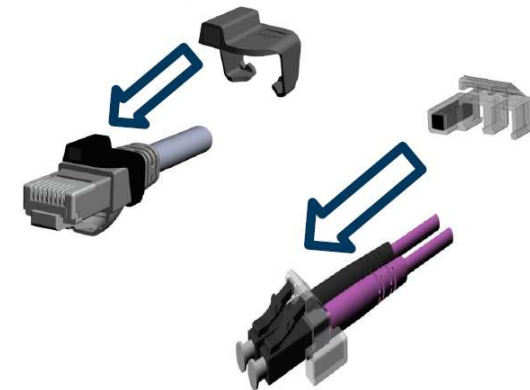
Patch Panels

- **Add antenna and electronic module without service interruption (depending on the panel)**



Patch Cords

- **Re-use existing cords**
- **RFID tags can be clicked onto the cords without network interruption**





Automated Infrastructure Management (AIM)

Questions?





We keep you informed

Newsletter *Telegärtner Telegramm*

White papers

Specialist articles

Fact sheets „Point of view“

Special topics

and of course personally!



Thank you very much for your attention!



BEST CONTACTS FOR YOUR SUCCESS

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KARL GÄRTNER GMBH

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- COAXIAL CONNECTORS
- CABLE ASSEMBLIES
- PRECISION TURNED PARTS
- PLASTIC INJECTION MOULD PARTS
- INDUSTRIAL ELECTRONICS

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