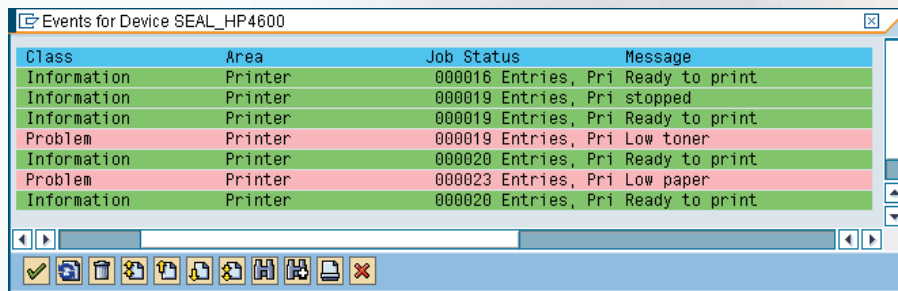


Output Device Monitor – ODM

→ EXTENDED JOB TRACKING AND DEVICE SUPERVISION

// The ODM architecture from SEAL Systems is a module for consistent and detailed **monitoring** of device and output job states. It provides dynamic and static data for all output device types and models. The status of output jobs is supervised and reported through to stacking after printing. The ODM is usable as a stand-alone system supervision tool and has interfaces for PLOSSYS® netdome, gXnetplot, and SAP®.



Class	Area	Job Status	Message
Information	Printer	000016	Entries, Pri Ready to print
Information	Printer	000019	Entries, Pri stopped
Information	Printer	000019	Entries, Pri Ready to print
Problem	Printer	000019	Entries, Pri Low toner
Information	Printer	000020	Entries, Pri Ready to print
Problem	Printer	000023	Entries, Pri Low paper
Information	Printer	000020	Entries, Pri Ready to print

::: BACKCHANNEL FOR JOB AND PRINT INFORMATION

The unique ODM architecture enables manufacturer-independent standardized **control** and view of detailed device and output job states. This applies to both **large** and **small format printers**.

With this architecture no configuration and administration of model-and device-specific supervision tools (with different handling and display methods) is necessary. All devices can be registered network-wide with one interface. This releases the administration and user help desks as the processes work trouble-free.

As far as the output management solutions from SEAL Systems are concerned, user feedback is more precise, the job tracking is seamless and the output control is optimized.

::: FIELDS OF APPLICATION

ODM is the tool for IT administrators, who want a complete and live overview of the status and activities of all output devices. With the ODM batch interface the information, provided by ODM, can easily be integrated in the system monitoring and systems management tools of third party suppliers or within other own applications.

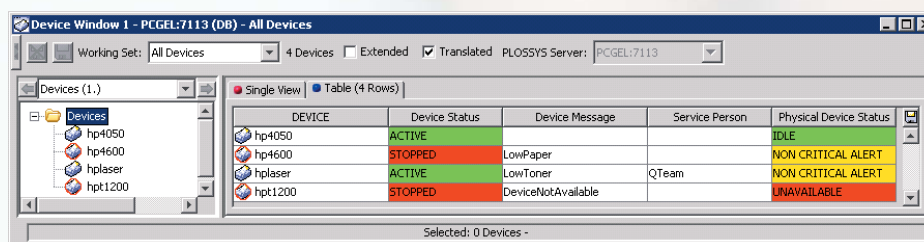
The data, delivered by ODM, can be displayed for **PLOSSYS® netdome** and **gXnetplot** users with the infoclient and the console. Device data is provided for the automatic printer default configuration. Job data and device data are transferred with the **SAP BC-XOM** Interface.

Output Device Monitor – ODM

TECHNOLOGY

The Output Device Monitor collects data of devices by using ODM agents. These are provided in a standardized format. The agents are set for the technical properties of the devices and their communication possibilities.

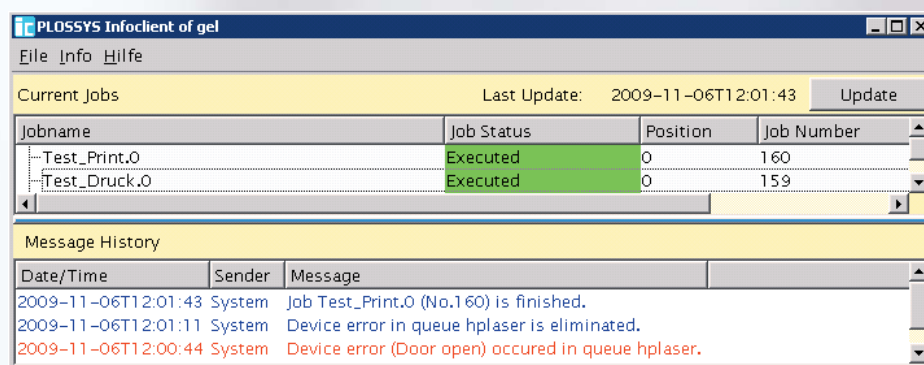
- Device components and their status: input trays/rolls, output trays/stackers, duplex units, printer consumable items (toner/ink cartridges), final processing (folder, sorter)
- Device properties: resolution, speed, maximum print area, number of colors
- Status: paper jam, filling state, paper, toner, maintenance, door open, offline
- Print jobs and their status



DEVICE	Device Status	Device Message	Service Person	Physical Device Status
hp4050	ACTIVE			IDLE
hp4600	STOPPED	LowPaper		NON CRITICAL ALERT
hplaser	ACTIVE	LowToner	QTeam	NON CRITICAL ALERT
hpt1200	STOPPED	DeviceNotAvailable		UNAVAILABLE

ODM COMPONENTS

- **Server** with interfaces to SEAL Systems Info server, ODM Agents and ODM Batch interface
- **Agents** for different manufacturers and device classes: PJI, SNMP, Océ, KIP, ROWE, WDV
- **Batch interface** for data transmission and third party systems



Jobname	Job Status	Position	Job Number
Test_Print.0	Executed	0	160
Test_Druck.0	Executed	0	159

Date/Time	Sender	Message
2009-11-06T12:01:43	System	Job Test_Print.0 (No.160) is finished.
2009-11-06T12:01:11	System	Device error in queue hplaser is eliminated.
2009-11-06T12:00:44	System	Device error (Door open) occurred in queue hplaser.

MULTISERVER ARCHITECTURE

ODM Server can be installed independent from the architecture of the output management systems. For reduction of WAN traffic local ODM servers can serve local and central output servers. Furthermore an ODM Server can serve several locations and output servers.

VIEW AND ACCOUNTING OF ODM INFORMATIONS

- PLOSSYS® netdome Info client
- PLOSSYS® netdome OCON+
- gXnetplot plot administration
- gXnetplot Info client
- SAP via interface BC-XOM

SYSTEM ENVIRONMENT

For server and clients: Windows, UNIX, Linux