

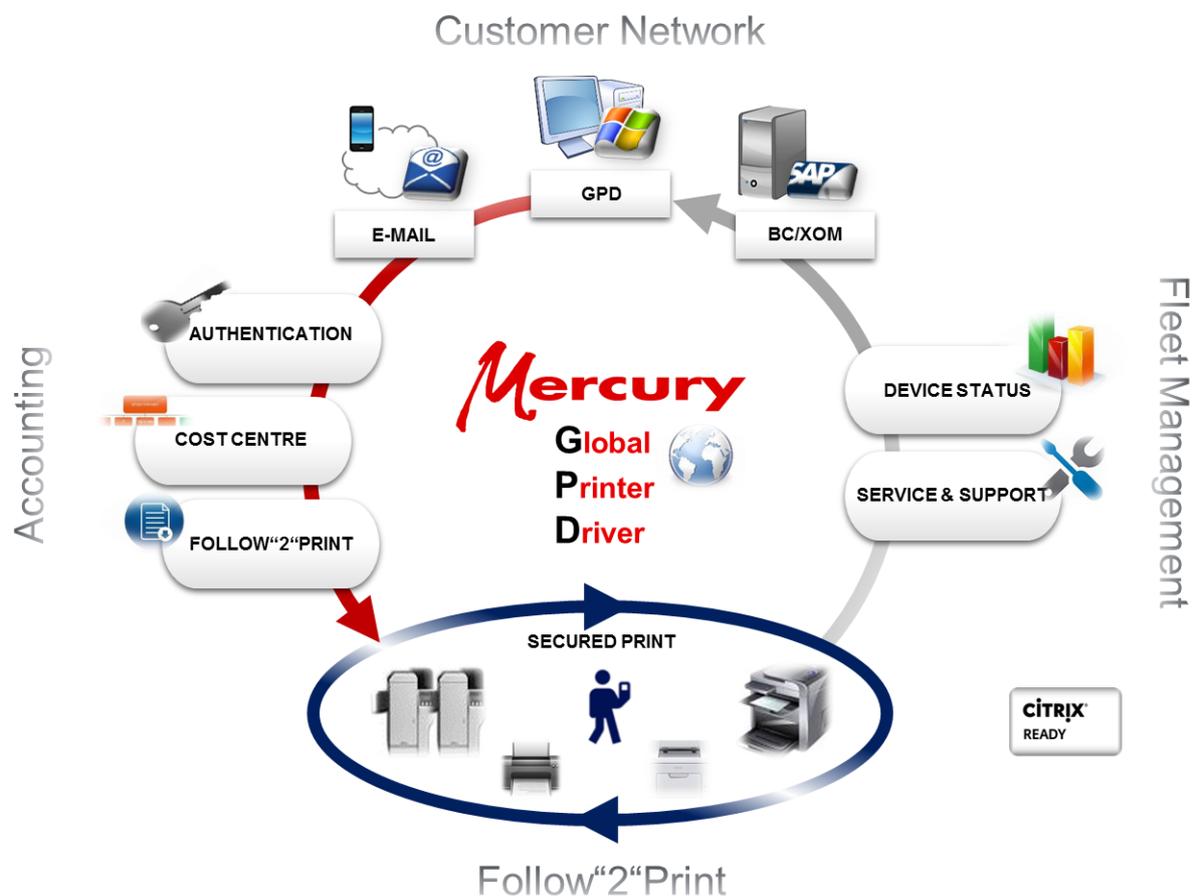
German Patent for the docuFORM GmbH Global Printer Driver (GPD)

In worldwide operation

One year after the launch of the docuFORM Global Printer Driver, the German Patent and Trademark Office retrospectively assessed the technology as an invention from 2015, thereby granting a corresponding German patent. The patent is filed with the German Patent and Trademark Office under the number 10 2015 101 915. Patenting at European level is also planned.

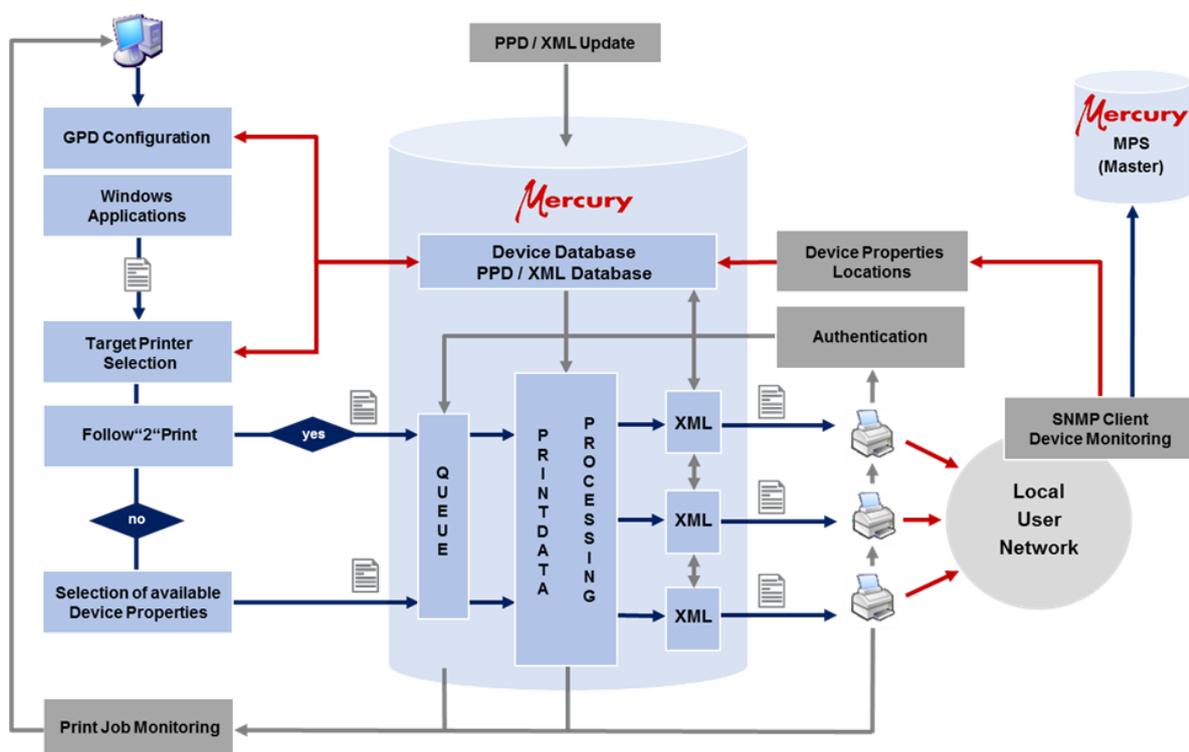
In the course of the worldwide project development for Daimler AG, the employees of docuFORM GmbH have been involved with, among others, the topic of printing without a printer driver. The result is the development of a virtual print data interpreter that allows you to dispense with any type of traditional or other printer driver. The unique selling point of the dynamic workflow is primarily the self-learning ability of the system. For the user, this means automatic and constant updating of its device database via control codes, by means of which a neutral print data stream is then dynamically and automatically adapted to the given hardware environment shortly before the printing process itself in real time.

The relinquishing of all printer drivers and the elimination of Microsoft print servers reduce maintenance and operating costs in the company. At the same time, a uniform and manufacturer-independent user interface ensures increased efficiency and ease of use.



The invention

The core of this invention is an SNMP monitoring of the printing systems. As part of this SNMP monitoring, all changes in the printer landscape are transmitted in real time to a database within the Mercury OMS system. The current control sequences of new devices can then be constantly retrieved from the central docuFORM server via the docuFORM Cloud. As a result, the on-site system is constantly updated automatically even with a changed infrastructure, and the on-site database is updated with the control sequences of all printing systems. The printing process itself then consists of sending a desired data stream to be printed, which is then enriched in real time at the Mercury OMS Server with the corresponding printer-specific control sequences. Only then does the printable data stream emerge, which can then always be optimally output without compromise to the respective printing system. This patented unique selling point is manufacturer-independent and includes all device options including final processing. This guarantees an optimal printout at any time.



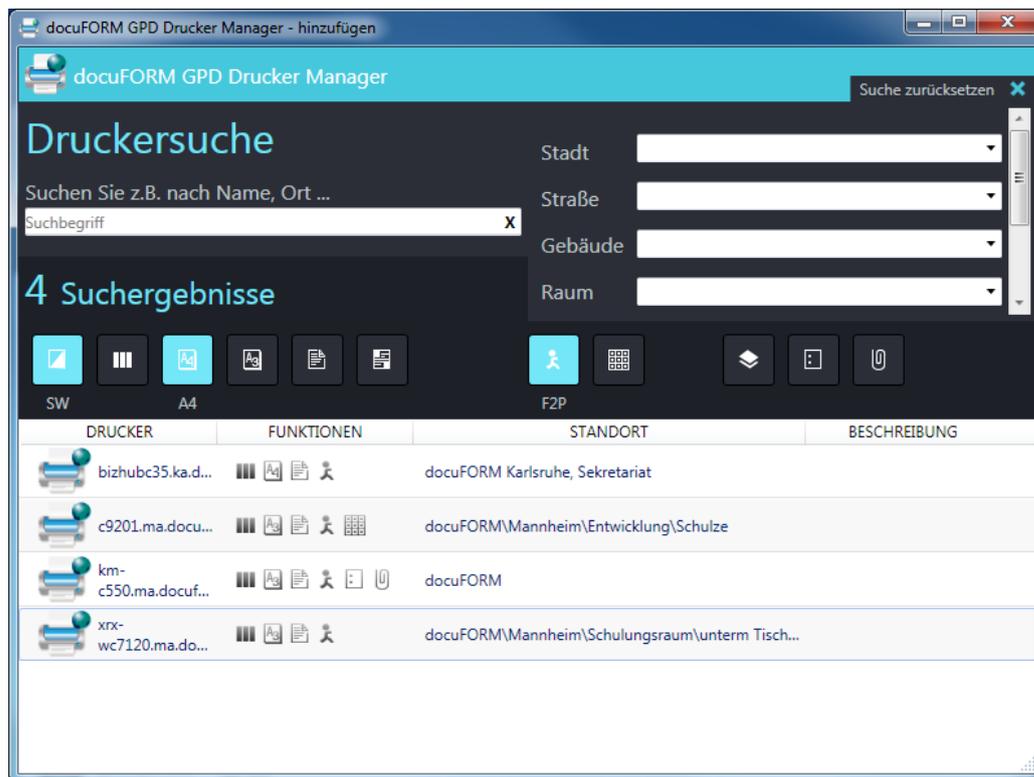
Unique solution

In the course of this development and patenting an optimized Follow2Print solution is included. This stands out as a unique vendor-neutral and manufacturer-independent solution. The print data is always optimally printed, in which the neutral data is enriched with the control sequences for the respective device in real time only shortly before the printing process. Also, this solution dispenses with the use of diversified printer queues.

Regardless of the printing route, or the type of secured collection, only a single queue is used. The properties of the documents, such as stapling, color or format, are part of the data stream and are also evaluated in the Mercury OMS server in real time.

Also part of the invention is the real-time searching and selecting of devices according to the respective properties. This functionality is also made possible by the SNMP monitored device database, which also offers the user all available paper formats and their exchange.

In the meantime, the global printer driver solution from docuFORM is in use worldwide. Renowned DAX companies, such as Beiersdorf AG and Daimler AG, use this solution in conjunction with Mercury OMS worldwide.



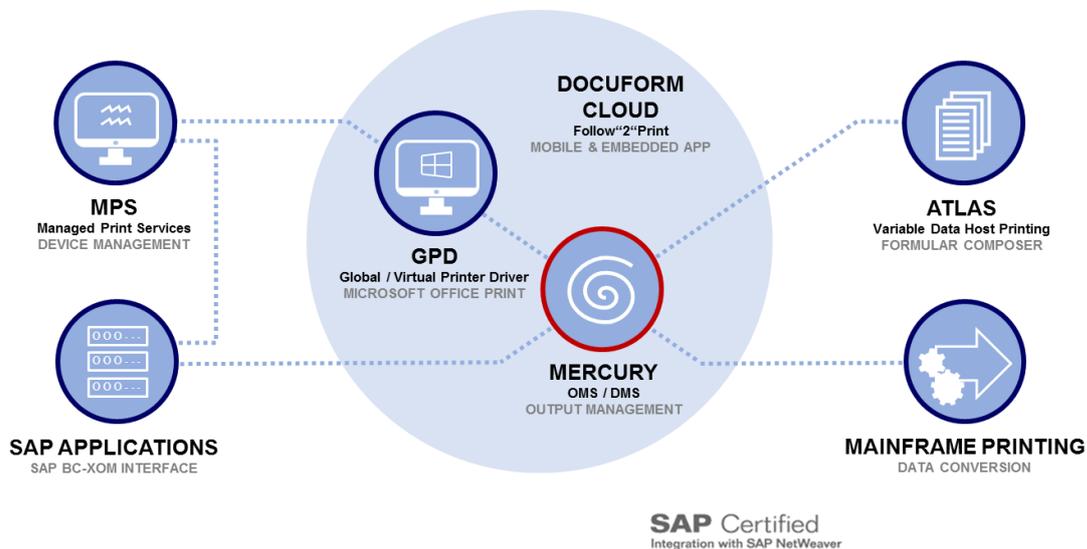
Serverless Printing

Simultaneously, docuFORM has also devoted itself to the topic of so-called serverless printing. Soon, in addition to the described GPD workflow, local print data should also be printable directly via on-site output devices. The combination of GPD with integrated Follow2Print solution and the new, Serverless Printing aspect mark another milestone in the docuFORM product development Global Printer Driver (GPD).

Embedding in the Mercury Suite

The patented docuFORM Global Printer Driver (GPD) can be used alone or in combination with the docuFORM Mercury Suite. A current example of a successful GPD integration is the current project with Daimler AG, in which the GPD was successfully integrated into the production environment of Daimler AG, including the Mercury Atlas Form Manager. In the future, Daimler host applications will only supply XML structures, which will be dynamically processed by Mercury Atlas into printable documents. In this workflow, the GPD finally takes over the crucial task of vendor-neutral and cross-departmental print preparation. All production instructions and plans can therefore be optimally provided at all assembly stations.

This technology of the Mercury workflow represents another milestone in the product development of docuFORM / Mercury. For this reason, Daimler AG once again opted for the docuFORM Mercury solution for printing in the highly sensitive production environment.



Martin Denk - a quote



Martin Denk, graduate engineer [Dipl.-Ing. (TU)], managing partner of docuFORM GmbH: "We are of course proud of the fact that the Patent Office has declared our Global Printer Driver an invention and also granted us a corresponding patent. Now we can watch closely in the marketplace how our competitors tackle this issue, as well as protect ourselves and our customers from plagiarism."