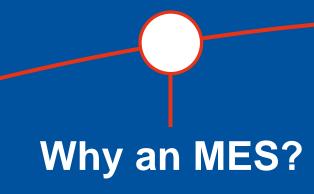


Digitization in production is unstoppable
Companies who want to produce compliant with regulations need a
Manufacturing Execution System (MES).

With manufacturing IT like an MES you can keep an eye on all resources and also design your production processes as efficiently as possible.





Medical technology and other regulated branches of industry set special requirements to manufacturing IT. HYDRA for Life Science by MPDV observes regulatory requirements and also copes with economical challenges.

To achieve this, the solution has all the standard functions of a classical MES in addition to industry-specific applications.

Why do you need an industry solution?





Manufacturing companies in regulated industries are caught between **regulatory** requirements and significant **market pressure**.

In Life Science environments more than anywhere else, patient safety is top priority. Resource efficiency is also of paramount importance.

HYDRA for Life Science by MPDV can integrate all process steps in one system and offers a general overview.

At the same time, the solution provides support for the **validation** of manufacturing processes (e.g. FDA).



HYDRA for Life Science market requirements



Regulated manufacturing companies face many challenges:

- Ensure data integrity (ALCOA+)
- Completely document MBR, EBR and DMR & eDHR.
- Live the CAPA process consequently
- Maintain measures & quality risk management

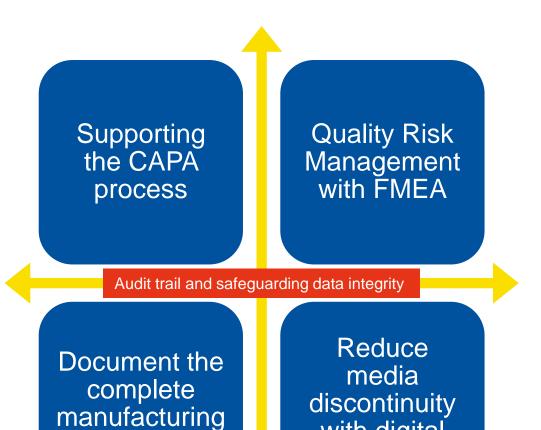
Regulated manufacturing companies generally have two options to accomplish this:

- Certification according to DIN EN ISO 13485
- Setting up a QMS according to DIN EN ISO 14971



Regulatory requirements





with digital

checklists

HYDRA for Life Science records all information along the complete value chain, documents all relevant actions and ensures data integrity.

Typical use cases in the Life Science environment



process

HYDRA for Life Science can ...

... detect and document deviations.

... initiate and track measures.

... support to eliminate and to prevent deviations.

... promote a consistent communication and documentation with workflows.





With HYDRA for Life Science, you can ...

- ... identify failures at an early stage.
- ... evaluate risks with key figures.
- ... document and analyze correlations with failure networks.
- ... specify measures to correct and prevent failures.



Quality Risk

Management with FMEA



HYDRA for Life Science can ...

... collect and save all data.

... document material consumption and the use of machines and tools.

... verify personnel assignment in form of a qualification check.

... ensure traceability.

... Generate eDHR or eBR.



Document the manufacturing process



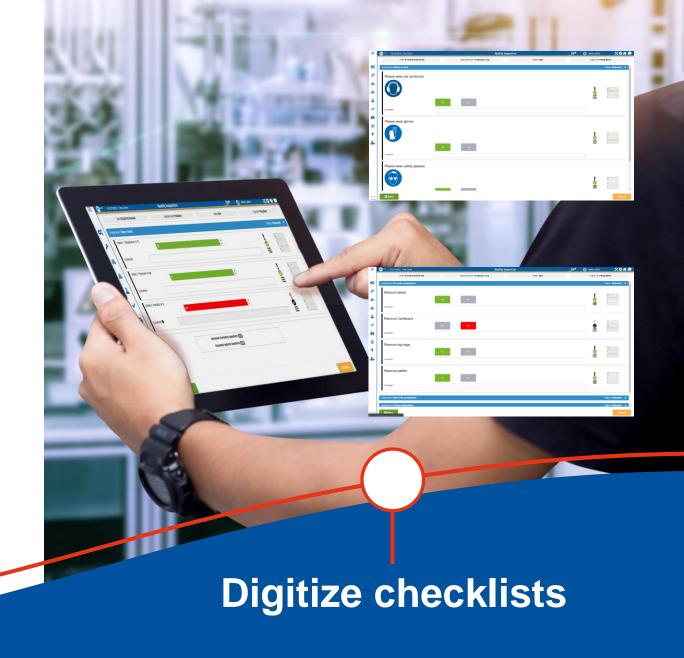
With HYDRA for Life Science, you can ...

... easily digitize paper-based checklists.

... simply develop questionnaires.

... ensure the execution of tasks and checks.

... document results transparently.





HYDRA for Life Science supports you to ...

... fulfill GxP requirements according to ALCOA+.

... document each time data is changed.

... ensure that changes are assigned to the person who executed them.

... prove data integrity during audits.



Audit Trail: ensure data integrity



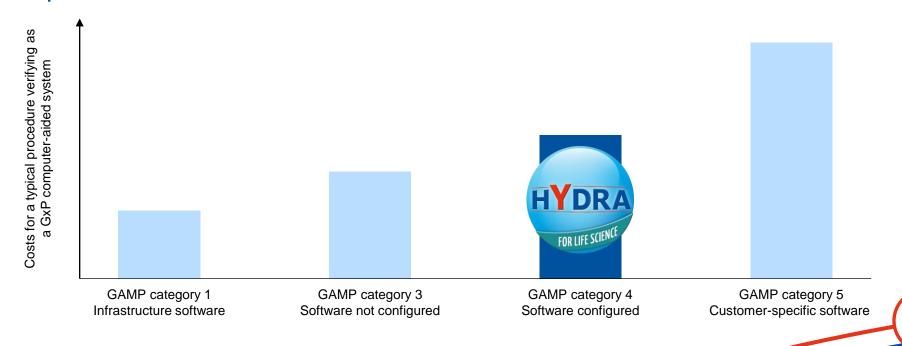
Functions of the HYDRA for Life Science industry solution from MPDV incorporate GAMP 5 requirements and thereby support manufacturing companies in validation.

We have already successfully assisted various HYDRA users in the validation of their processes (e.g. FDA).





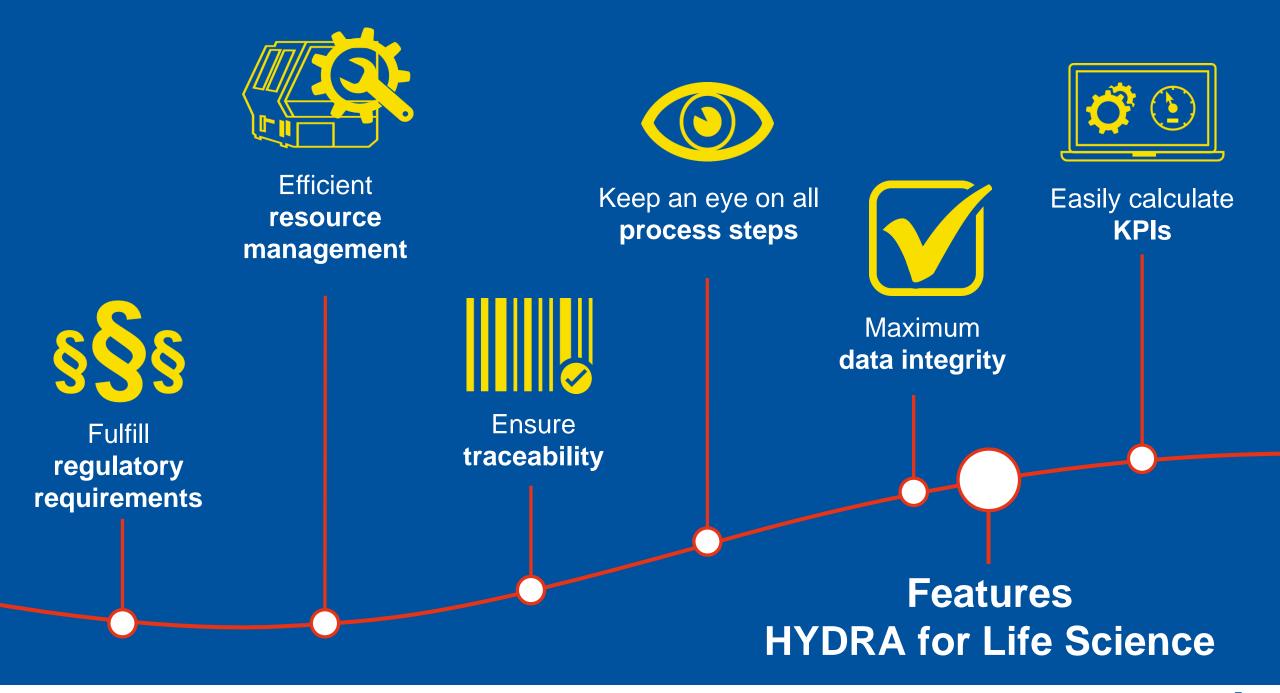
Due to the high proportion of **standard functions**, HYDRA for Life Science can generally be classified in the **GAMP category 4** (configurable software), which reduces validation efforts compared to individual software solutions.



Verification as GxP computer-aided system













Over

45 years

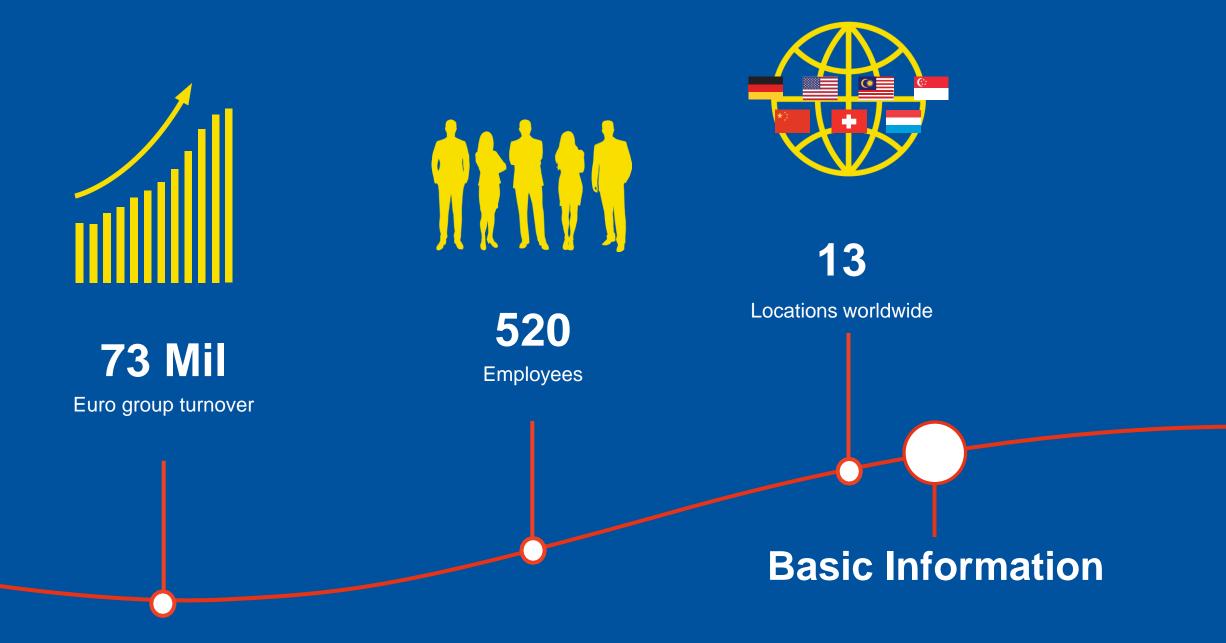
project experience

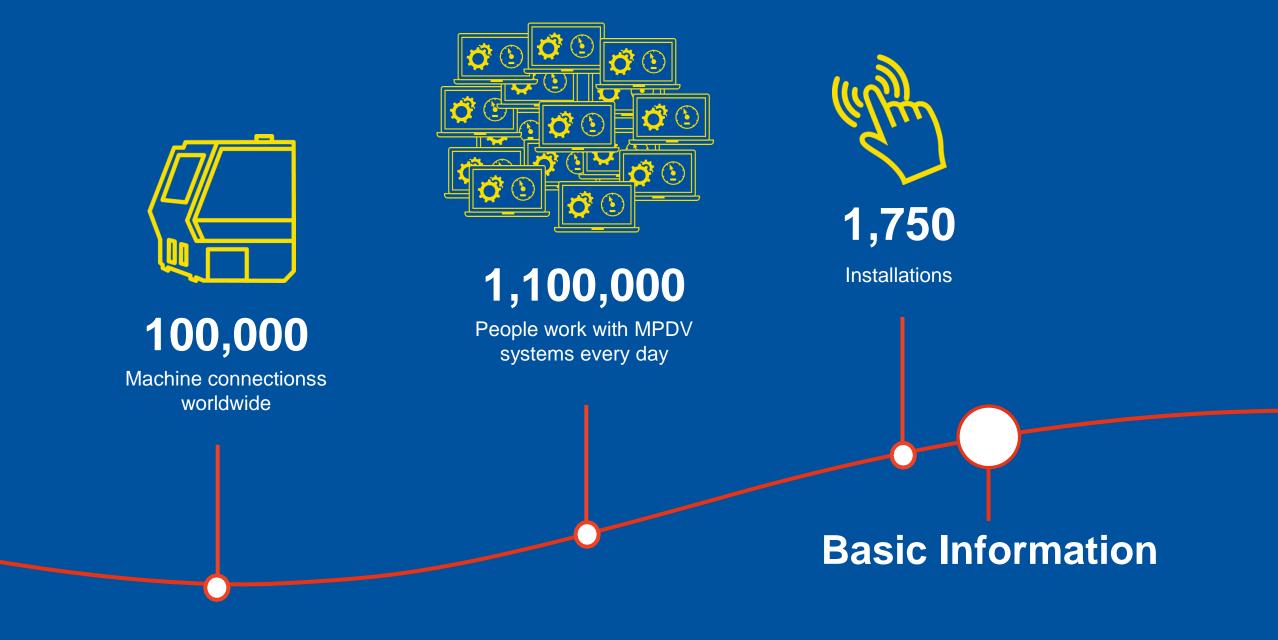


We are at your side on the way to the Smart Factory

regardless of your size and industry

Who are we?





Want to find out more about HYDRA for Life Science?















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