TTControl
HYDAC INTERNATIONAL

BOOST YOUR EFFICIENCY –
MAKE IT WITH MATCH.

MATCH Software Suite is a cutting-edge platform by HYDAC Software that serves as one robust system for all your software requirements. Offering a holistic solution for the entire product life cycle, MATCH is an innovative, efficient, and TÜV-certified solution, ensuring top-notch performance and reliability.
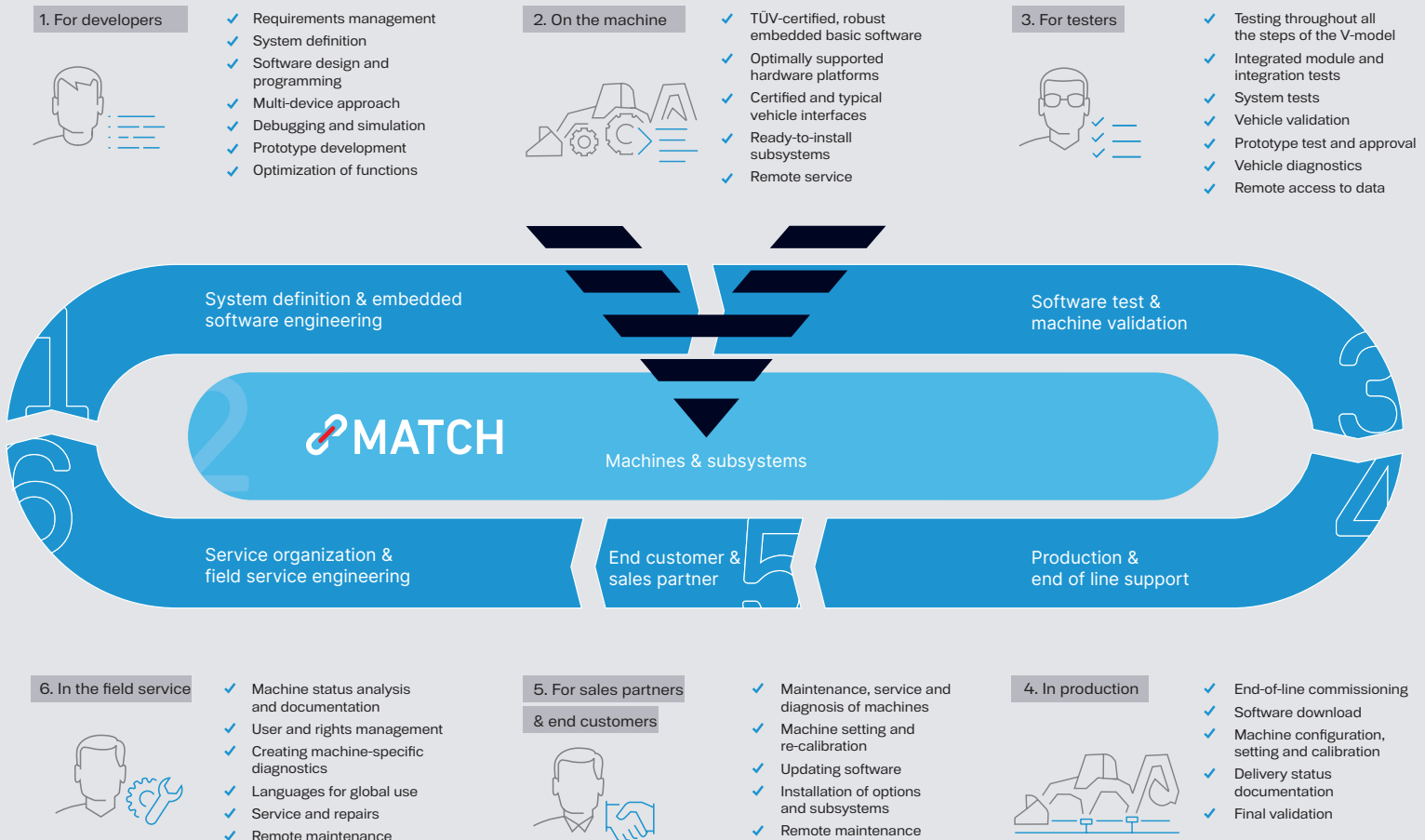
Software suite for development & maintenance

- Futureproof application development according to V-model
- Strong support for safety-related applications
- Enabling complex vehicle control systems
- Automotive quality for processes and products

Speeds up software development by 50 % and more

- TÜV-certified robust middleware and library modules
- Therefore, quick implementation of safety functions
- Efficient tools interlinked throughout all phases
- Interface losses completely eliminated
- Test methods and validation integrated by default
- Documentation records automatically generated

MATCH – At a glance

For developing safety-related control systems according to the V-Model

1. For developers
- Requirements management
- System definition
- Software design and programming
- Multi-device approach
- Debugging and simulation
- Prototype development
- Optimization of functions

2. On the machine
- TÜV-certified, robust embedded basic software
- Optimally supported hardware platforms
- Certified and typical vehicle interfaces
- Ready-to-install subsystems
- Remote service

3. For testers
- Testing throughout all the steps of the V-model
- Integrated module and integration tests
- System tests
- Vehicle validation
- Prototype test and approval
- Vehicle diagnostics
- Remote access to data

System definition & embedded software engineering

Software test & machine validation

🔗 MATCH

Machines & subsystems

Service organization & field service engineering

End customer & sales partner

Production & end of line support

6. In the field service
- Machine status analysis and documentation
- User and rights management
- Creating machine-specific diagnostics
- Languages for global use
- Service and repairs
- Remote maintenance

5. For sales partners & end customers
- Maintenance, service and diagnosis of machines
- Machine setting and re-calibration
- Updating software
- Installation of options and subsystems
- Remote maintenance

4. In production
- End-of-line commissioning
- Software download
- Machine configuration, setting and calibration
- Delivery status documentation
- Final validation

Find out more:
ttcontrol.com/match ↗

TTControl products with MATCH

Solutions for ECUs

Solutions for displays

Solutions for telematics

- Standardized programming interface provided via embedded core software
- Optimized and extensively tested software solutions in 'C' are used to program the embedded controllers
- Modules are TÜV-certified according to IEC 61508, ISO 13849, ISO 25119, ISO 19014, ISO 26262

- MATCH provides comprehensive libraries for display visualization solutions according to Qt and CODESYS®

- MATCH enables remote access to machine data via CAN, WLAN or through standard mobile communication interfaces

Highlights

50 % and more savings through efficiency

Development according to V-model – testing inclusive
- Consistent data all the time
- Plug & play testing at all levels
- Test & service tools „out of the box"

Functional safety included
- Standards covered: IEC 61508, ISO 13849, ISO 25119, ISO 19014, ISO 26262
- Safety-related modules are TÜV-certified

Support of IDE open standard
- Functional development of machine in freely available development environments

Robust & easily portable
- Middleware and library modules tailored to mobile machinery
- Robust, tested and documented

Multi-device capable and support for sub-systems
- Application development at machine level
- Functional design beyond controller and display limits