

The general concept



With the development of iQ-BASIS, AHP is aiming at achieving TQM far in excess of DIN/ISO-900x requirements. We offer services that exceed CAQ standards. For a detailed representation please inquire for our CAQ portfolio with the complete services description of our concept and the different iQ-BASIS modules. The product overviews included here give a first impression of the broad range of services our CAQ system offers.

Overview of iQ-BASIS modules

iQ-GL	Fundamentals	iQ-PMV	Test Equipment Management
iQ-APQP	Advanced Quality Product Planning	iQ-PMÜ	Test Equipment Calibration
iQ-FMEA	Failure Mode und Effects Analysis	iQ-PMPL	Test Equipment Inspection Plans
iQ-PPAP/PPF	Production Part Approval Process	iQ-PMS	Test Equipment Capability Analysis
iQ-PLAN	Inspection Planning	iQ-PM-Beanst	Test Equipment Services
iQ-CAD-Interface	CAD/CAQ Interface	iQ-PMF	Test Equipment Complaint
iQ-PAUF	Inspection Orders	iQ-WZM	Tool Management
iQ-EMP	Initial Inspection	iQ-INST	Maintenance
iQ-EMP/AUTARK	Initial Inspection (autarkic)	iQ-LOGISTIK	Logistics
iQ-WEP	Receiving Inspection	iT-OBJEKTE	Object Security
iQ-EWEP	Event-controlled Receiving inspection	iQ-GQI	Global Quality Information
iQ-FEP	Production Inspection	iQ-INFO	Quality Information-System
iQ-BELEG	Quality Data Entry- Paper Forms and Scanning	iQ-KOMPETENZ	Competence Management
iQ-QLEIT	Quality Control Station	iQ-DOKU	The Documentation System
iQ-LIMS	Laboratory Information System	CAQ-PORTAL	iQ-BASIS WEB Portal
iQ-PLA	Product Maintenance History File	iQ-BASIS-APP	iQ-BASIS mobile APP
iQ-QMS	Quality Messages	iT-INTERFACE	Interfaces to ERP-Systems
iQ-AUDIT	Assessment	iQ-MESSDAT	Interface system for automates
iQ-LIEFBEW	Suppliers Assessment	iT-DEVICESERVER	Device Server
iQ-ECM	Engineering Change Management	iT-MAIL	Mailing system
iQ-PROJEKTE	Quality projects		

System requirements overview

Hardware

- Clients: PCs, 4 GHz or higher and 8 GB RAM or higher
- Server: all common systems

Operating systems

- Clients: Microsoft Windows (10,11)
- Server: most common operating systems like e.g. Windows Server from 2016 to 2021 (also Terminal Server), UNIX or OS/400. In most cases the existing systems can be used (software, hardware and databases).

Databases

- All common relational DBMS's, like e. g. all versions of ORACLE, Microsoft SQL Server, INFORMIX, DB2, MySQL, SYBASE
- Hierarchical DBMS's on the AS/400
- All DBMS's which can be connected to by Open Database Connectivity (ODBC)

Architectures

- Standalone systems with powerful database
- Client/Server
- Distributed systems with multiple servers
- Heterogeneous systems

ERP-Systems

- SAP
- BRAIN (now INFOR AS)
- BaaN (now INFOR LN)
- proALPHA
- Further standard systems
- Individual solutions

Communication

- TCP/IP
- Web Services
- Intranet / Intranet

Overview of general functions of iQ-BASIS

User interface

- module-spanning uniform interface
- clearly arranged buttons
- efficient use due to intelligent employment of overviews and editing masks
- lean, efficient design without needless graphical gimmicks
- individually adjustable by the user (e.g. by redefining names of buttons, but also by setting system parameters)
- control either by mouse or keyboard

Multilingualism

- the complete interface – including masks, help, messages and catalogues – can be maintained in multiple languages
- multilingualism for all language-relevant data
- administration of multilingualism via a centrally held dictionary, enabling a uniform display of all interface contents
- efficient translation into new languages through web-based tool provided by AHP
- choice of language for analyses and reports independent of interface

Search functions

- possibility to search in every single mask (not only in overviews)
- search profiles for any amount of fields
- support for wildcards, logical and relational operators – even spanning over several fields

Catalogues

- simple choice of details
- supports multistage catalogues
- graphical identification of catalogued fields
- adding and deleting of entries

Dealing with texts

- supports texts of nearly any size
- editing of texts in separate windows
- independent definition of default texts which can be used repeatedly in all modules
- dynamic completion of texts with data
- all texts can be maintained multilingually

User rights

- Supervisor rights
- individual allocation of rights down to mask level
- definition of group rights, users can be assigned to groups, every user inherits the rights of the group
- multiple groups per user
- different levels of rights
- object rights which control access to certain objects

Support for third-party products

- integration of qs-STAT (made by Q-DAS)
- support of Microsoft Office 2003-2021 for displaying analyses and reports
- support of Microsoft Project for tasks originating from the project planning

- integration of the report generator Crystal Reports and JasperReports
- integration of a PDF generator which enables all documents to be archived or mailed in the PDF format

E-Mail

- direct sending of E-Mails from within every module (see also *iT-Mail*)

Actions

- initiating actions without reference to a certain module or object (see *iQ-PROJEKTE*)

Analyses

- a range of standard analyses in all modules
- unlimited configuration of analyses by the user
- unlimited allocation of selective criteria
- output of lists in PDF format or into Microsoft Excel. It is possible to choose the fields contained within the lists or to generate the lists directly from overview masks – including option to delimit amount of data by using search profiles.
- appealing output of analysis results in applications like Microsoft Excel or Microsoft Word
- possibility of user-defined customization of Word and Excel forms (and templates) e.g. with own logos or texts
- support of user-defined Crystal Reports

Documents

- support for Microsoft Word templates
- documents are stored directly within the database (see also *iQ-DOKU*)
- assigning of documents to multiple database objects

Graphics

- integrated viewer for technical drawings and graphics (about 20 formats, e.g. DXF, IGES, TIF, JPG, CALS, BMP)
- Redlining (see *iT-MARK*)