



## Production Management with PRISMA<sup>®</sup>



## PRISMA<sup>®</sup>: Features

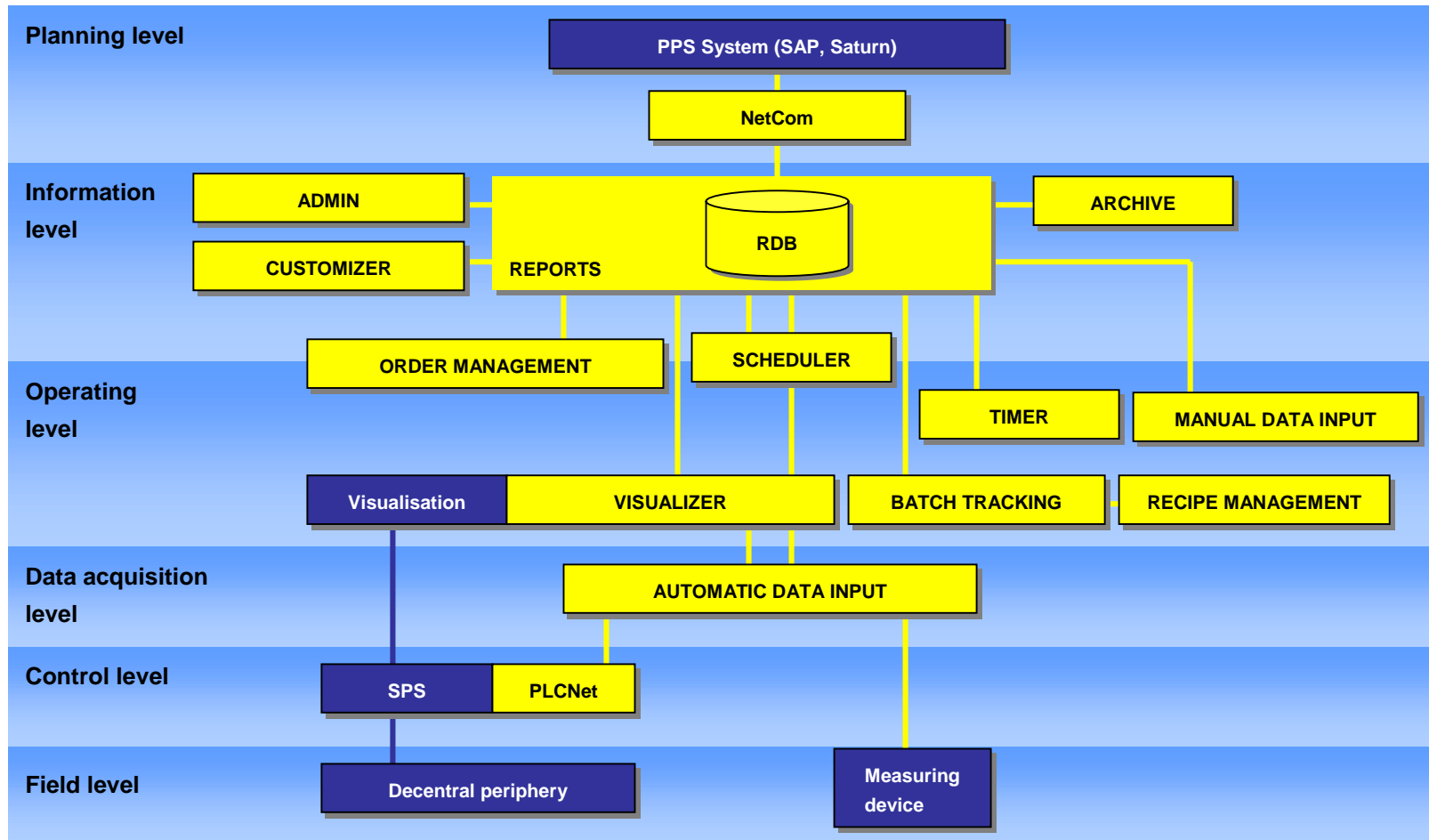
- Uniform look and feel: user-oriented GUI
- Browser capable
- Uniform base data
  - (CAQ=QSYS Professional, LIMS, PRISMA)
- Multi language
- Scalable in terms of volume of data and functionality
- World-wide integration of production plants and subsidiaries (access group capability)
- Interfaces to other program applications :
  - MS-Office, Maintenance Management, DMS



## PRISMA<sup>®</sup> - Module Overview



## PRISMA ® - Integration into the IT Environments





## PRISMA® ADMIN



- **Features:**
  - Maintenance of relevant base data
    - Products, installations, cost centres, ...
  - Configuration of base variables
    - Products, installations, ...
  - User administration: allocation of data and functional related rights
  - System set-up



## PRISMA<sup>®</sup> CUSTOMIZER



- **Features:**
  - User management for creation of acquisition screens, reports and workflow
  - Creation of new variables through connection of existing variables, constants and arithmetic functions with the formula editor
  - Integration of own complex functions in high level language



## PRISMA® ORDER MANAGEMENT



- **Features:**
  - Creation of working plans/recipes
  - Manual creation of production orders: use of the relevant working plan
  - Automatic creation of production orders: Netcom interface
  - Administration of production orders (order status, ...)
  - Evaluation of the times and costs of installations, operations, staff and materials



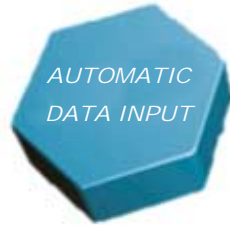
## PRISMA<sup>®</sup> SCHEDULER



- **Features:**
  - Graphical presentation of the order data
  - Fine planning with optimisation of the production schedule
    - Set-up time/ cleaning time/ transport time
    - Installation capacities / allocation of resources
    - Provision of production units
    - Order sequence, installation occupation, plausibility inspection
  - Calculation of the beginning / end of the order at input of the beginning / end of the order
  - Consideration of downtimes (e.g. public holidays, preventive maintenance)
  - Filter functions of the files to be indicated
  - Interface to external planning systems (for example FI2)



## PRISMA<sup>®</sup> AUTOMATIC DATA INPUT



- **Features:**
  - Independence of the connected periphery through driver for all marketed bus types or control systems
  - Data acquisition can be scaled for different data amounts
  - Data acquisition through techniques such as OPC, OLE, DDE, TCP/IP
  - Data obtained can be made time or event controlled
  - Interface to the database and visualisation



## PRISMA<sup>®</sup> MANUAL DATA INPUT



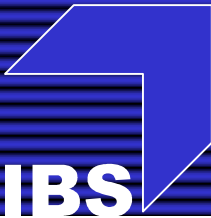
- **Features:**
  - Use of parameterised input screens (CUSTOMIZER)
  - Time controlled acquisition: creation of a new line in the acquisition screen
  - Manual acquisition: direct input into the variable fields
  - Logging and history of the acquisition data: date, time, values



## PRISMA® VISUALIZER



- **Features:**
  - Illustration of the production process (layout of the hall, assembly of the installation, ...)
  - Indication of order data and conditions, interferences and histories of the installations
  - Integration of external visualisation tools (eg. InTouch, WinCC, Gipsy, ...)
  - User definable design of the screen layout through graphic editor
  - Connection of different control systems through drivers
  - Data exchange with PRISMA through OPC, OLE, DDE, ODBC, Tcl/Tk



## PRISMA® BATCH TRACKING



- **Features:**
  - Order and installation logbook
  - Constant history of all acquired order and installation processes
  - Batch tracking from the raw material up to the finished product
  - Automatic or manual acquisition of the start and finish times of a batch
  - Creation of a time model for the retracing of different batches



## PRISMA® NETCOM



- **Features:**
  - Connection of overlayer PPS and ERP systems (SAP, SATURN+..)
  - Communication through file or databases
  - Take-over of base data (articles/products, customers/suppliers, cost centres, ...)
  - Automatic creation of production orders
  - Return statement of relevant production data



## PRISMA<sup>®</sup> RDB



- **Features:**
  - Support for different database models
    - ORACLE, Informix, SQL-Server
  - Integration of the databases from the CAQ=QSYS products
  - Central and continuous data maintenance
  - Easy and transparent DB programming



## PRISMA<sup>®</sup> REPORTS



- **Features:**
  - Provision of standard reports
  - Transparent presentation of the database structure
  - Integration of external reporting tools (provision of standard catalogues)
  - Creation of production documentation
  - Statistical evaluation and analysis
  - Analysis of the production events
  - Determination of code numbers
  - Drill Down
  - Cost calculation and evaluation



## PRISMA® ARCHIVE



- **Features:**
  - Standard archiving and configuration for all PRISMA modules
  - Period and data volume can be optionally configured; they are only limited through hardware.
  - Archived data can be imported and exported to an external data carrier.
  - Support for different archiving media (hard disk, band, MO)