

OPUS - PPS & PQC

Integrated Manufacturing Operations (OPUS PPS&PQC) is a comprehensive family of products and services specifically tailored for the factory. It combines your factory floor data with the business information systems in an integrated information architecture capable of meeting your broader plant requirements and closing the information gap between production systems and business applications.

It enables the implementation of "Open Systems". This allows the multivendor computing environment – usually found in the plant – to work together as a single, unique integrated system. This means more than simply establishing network links; it means that applications, such as manufacturing and business planning, exchange complex information in "real time" to perform tasks and operations that are tightly integrated with factory control and management, data collection and statistical process control.

With OPUS PPS&PQC software and the Integrated Manufacturing Operations, MOTION Hellas provides an enterprise – wide foundation for information of manufacturing control.

Successful companies of the future will be able to adapt to rapid changes in the manufacturing environment. Production flexibility, cost control and resource management rely entirely on timely, accurate and complete enterprise – wide information.

Why CIM?

The introduction of a CIM (Computer Integrated Manufacturing) system reveals many problems with the use of engineering and production process information. The automation of in-house processes has stimulated the development of increasingly complex production systems. The ongoing demand for quality, shorter delivery times (JIT) and client specific products invokes the need for more concurrency in planning, engineering, production control and logistic information.



As part of MOTION's Open Client-Server Computing Technologies, OPUS PPS&PQC gives you the freedom to choose what you need for today and for tomorrow, and to incorporate the technology investments you have already made. With MOTION's Integrated Manufacturing solutions are built in a more incremental approach, from small pilots to large and distributed factory systems, without the long development and implementation cycles required with proprietary solutions.

The software and hardware products are designed, developed and manufactured in accordance with the Directives of ISO9000. Even during the development phase, great importance was attached to compliance with the relevant regulations and standards.

OPUS Modules

OPUS PPS&PQC is an innovative user friendly management system for discrete production process, consists of the following modules:

- OPUS/DBS for Process Simulation
- OPUS/PPS for Production and Capacity Planning
- OPUS/PCS for on-line shop floor control
- OPUS/SCADA for on-line process monitoring and control.
- OPUS/PQC for Quality Inspection (ISO-9000) and Statistical Process Control (SQC).
- OPUS/WCS for Material Requirements Planning (MRPII)
- OPUS/CRM for Customers Relation Management
- OPUS/CMMS Computerized Maintenance Management System

Material	Order	Quantity	Date	Status	...
116	123000	10000	12/31/99	Open	...
116	171300	50000	01/31/00	Open	...
116	100000	10000	02/28/00	Open	...
116	100000	10000	03/31/00	Open	...
116	100000	10000	04/30/00	Open	...
116	100000	10000	05/31/00	Open	...
116	100000	10000	06/30/00	Open	...
116	100000	10000	07/31/00	Open	...
116	100000	10000	08/31/00	Open	...
116	100000	10000	09/30/00	Open	...
116	100000	10000	10/31/00	Open	...
116	100000	10000	11/30/00	Open	...
116	100000	10000	12/31/00	Open	...

OPUS Planning

The various cells consisting the OPUS/PPS information and planning system involve:

- a flexible and user friendly database input for all the information coming from lower levels (machines, jobs, daily capacity profiles etc) in order to analyse the process.
- the master production schedule

MOTION Hellas is an industrial Hi-Tech company with activities in the fields of Real Time Control Systems, Engineering, Manufacturing and CIM Software applications, services and products for SMEs. It is an ISO-9001 certified company since 1999. The current target of the company is to bring new IT and automation technology into new products and services. **MOTION Hellas** has specialised in the production of Data Collection Terminals and Electronic Components for on-line shop floor control in conjunction with information technology and software development for CIM and Telematics applications.

MOTION Hellas supports its clients through specifications analysis, architecture design and implementation management, in order to provide integrated solutions for Software and Automation systems in the fields of: Industrial Automation,, Environmental Protection and Management (Restoration of landfill sites, Water supply projects, Sewerage systems projects, Waste water treatment and disposal projects), Cleaning and Solid Waste Management (WMS), MBT Plants Energy Administration Systems and Biogas Administration Systems

MOTION Hellas supports its clients in the identification of their requirements and in the selection, planning, implementation and testing of Automation and SCADA systems.

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- the capacity planning
- the PPS data processing system which must be linked to the company's overall distributed management system
- the production planning system which is an IT optimisation algorithm for the production planning



OPUS PQC

The **OPUS/PQC** is a Statistical Quality Control Software package and represents a comprehensive and practical approach to quality control and the support of quality control elements of ISO 9000. It supports the TQM and offers tools for management of QA/QC documents and reports. The **OPUS/SQC** program provides the user with the most essential on-line and off-line SQC tools for quality control.

OPUS benefits

From the experience in the use of the **OPUS** system and the Real Time Data acquisition from the production line, for over twenty years, it appears they help:

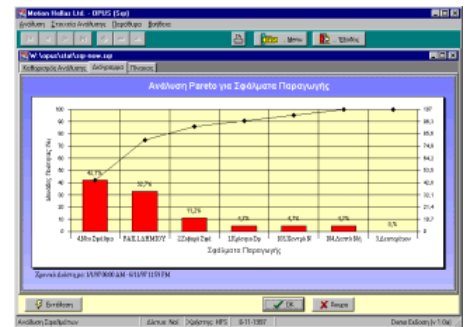
- Reduce engineering costs by at least 15%
- Reduce the product development cycle by at least 20%
- Reduce engineering change handling time by at least 30%
- Reduce the number of engineering changes by at least 40%

- Reduce the time and the cost to introduce and develop new products
- Improve the quality of products and services (TQM)

MOTION's services

MOTION Hellas offers, apart from Computer Integrated Software Systems, consulting services relating to:

- Restructuring of production processes
- Identification of production stages that would justify investments in automation
- Extensive analysis of alternative solutions
- Choice of relevant technologies as well the basic necessary equipment
- Application analysis in cooperation with the client
- Personnel training for fast and effective absorption of new technologies
- Quality Inspection and Management systems



MOTION Hellas has participation in several projects in the area of Integrated Manufacturing Operations, in different Industrial Sectors, such as:

- Electronics and Assembling industry
- Plastics and Metal Processing
- Textile
- Drugs and Cosmetics
- Chemical
- Wood production
- Automotive assembly and part production
- Waste and Recycling Industry
- Petroleum and Automotive industry
- Telecoms and Cigarette Industry