



Waste Industry Process Supervision - WIPS

is a comprehensive family of products and services specifically tailored for the MBT plant. 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.

With **WIPS** 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.

As part of MOTION's Open Client – Server Computing Technologies, WIPS 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.

WIPS System

The **WIPS** system is a comprehensive software and hardware package for real time automation, Monitoring and Management system in the fields of Environmental Protection, Waste Recycling Methods and Energy Generation.

It is an innovative user friendly Management Information System (MIS) for the supervision and process planning of the Recycling Industry and especially for the Mechanical and Biological Waste Treatment (MBT Plant) and for energy generation (RDF Production Waste-To-Energy).

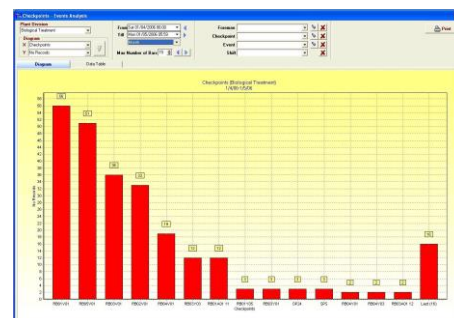
It enables the implementation of "Open Systems". This allows the multivendor computing environment – usually found in the plant – to work together as a single, unique integrated system. This means more than simply establishing network links; it means that applications, such as manufacturing and business 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.



WIPS Aims

The **WIPS** system aims to:

- provide Technical, Commercial and Law Information from the MBT Waste Treatment and Recycling Process
- real time monitoring of the basic and critical parameters from the MBT Waste Treatment in the Daily Process Control
- implement irreproachable processes for the on line and real time monitoring of the Process, the required information and measurements
- support the Quality Control and Quality Assurance system for the MBT and Recycling Process



- gather data from the MBT process in order to create database functions with the functionality for SPC (Statistical Process Control) of the stored data
- provide a MIS software package for management services, Quality Control and Data Analysis
- create Documentation and Reporting of the required parameters

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. The current target of the company is to bring new IT and electronic 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.

It is an ISO-9001 certified company since 1999 and provides services, as well as Hardware and Software products in the business and engineering sectors to Greek enterprises, covering both the private and public sectors including Defence.

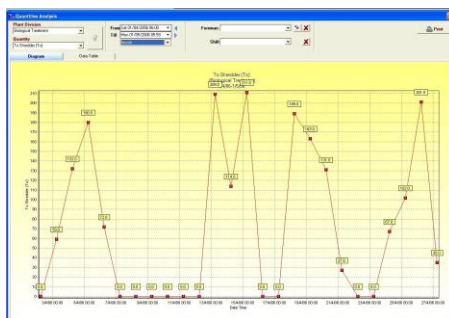
MOTION Hellas is co-operating closely with Universities and European companies (WISTA, Siemens, Fraunhofer, Aplicom etc) in order to solve actual problems and to establish a long-term collaboration in International Market. It has expertise, know-how and experience in R&D programs such as ESPRIT, BRITE EURAM, DRIVE, RECITE II, INTEREG IIIC, TIDE etc.

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WIPS Modules

Within this framework there is provision for the installation of a number of Software systems, automation and measurement equipment and Documentation procedures that shall cover the:

- Crane supervision
- Supervision of the Biological Waste Treatment (Status, Temperature per Box, Ventilator Frequency, Airflow Exhaust, Temperature Outside, measurements for the air cycle etc)



- Supervision of the Mechanical Separation (Status, Alarms, Working Hours, etc)
- Supervision of the Mechanical Treatment for RDF production (Status, Alarms, Working Hours, etc)
- Heating, Ventilation and Air conditioning monitoring and control
- Dedusting System, Bio filter and Scrubber monitoring
- Building services and infrastructure supervision (doors, pumps, lighting, fire detection etc)
- Supervision of the WWTP system
- Monitoring of the Weight Bridge System (Diagram for weights per waste type per Day etc)
- MIS system for the Daily Quality Document Control (Check points, Productivity, Weights, Alarms, Faults etc)

MOTION Hellas Services

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:

- 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)
- Energy Administration Systems
- 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.



MOTION Hellas has executed a large number of Automation Systems for wastewater treatment plants (WWTP), Restoration of landfill sites (Municipality of Ano Liosia, Municipality of Thessaloniki, and Municipality of Pafos Cyprus) and MBT Plants (Larnaka Cyprus, Mariscina Croatia, Katsijun Croatia, Sofia Bulgaria, HRO Osnabruek, EMAK Ano Liosia etc) in co-operation with construction companies (HELECTOR, Mesogeos etc)