

CIMSOLUTIONS in Semiconductor Industry



Development Director Walter te Brake of Fico Molding and Software Designer Cor Tempert of CIMSOLUTIONS with AMS-I System.

CIMSOLUTIONS provides high quality professional ICT consulting services and software development solutions in the areas of Business, Administrative and Industrial Automation. Our expertise covers all phases of the software life-cycle from specification and feasibility through design, development, test & implementation, to maintenance, support and project management of both tailor-made as well as standard applications, systems, hardware and networks.

CIMSOLUTIONS Industry serves the market sectors:

- Electronics & Multimedia
- **Semiconductor Industry**
- Medical & Healthcare
- Automotive & Aerospace
- Manufacturing & Logistics
- Traffic & Transport
- Telecommunications & Internet
- Offshoring in all market sectors

Our clients in the **Semiconductor Industry** sector are global market leaders with unequalled reputation for developing, producing and marketing the world's most innovative products for the manufacturing of computer-wafers and computer-chips. These systems are characterized by the requirement of the user for ultra high precision, zero-fault reliability, high & just-in-time production throughput and time-to-market for a competitive edge. Software is indispensable in meeting these high standards and plays a decisive role in this highly competitive, technology-driven and cyclic market. For two decades CIMSOLUTIONS has

been heavily involved, in close co-operation with our clients, in the development of these high value high-tech products for the business-to-business market. The products cover virtually all stages of the manufacturing process for computer-wafers and computer-chips. These include cutting-edge products, ranging from Wafer-Steppers/Scanners, High-tech Ovens/Furnaces for the baking of the wafers to Molding Systems and Trim & Form Systems for the packaging and finishing of the computer-chips.

As an illustration of our activities in the Semiconductor Industry, CIMSOLUTIONS proudly presents the following example:

Fico Molding - a member of the **BE Semiconductor Industries** - is a leading manufacturer of technologically-advanced, high-performance and integrated systems for the semiconductor industry's assembly process operations, such as semiconductor packaging, plating and die handling equipment for both leadframe and array connect applications. The AMS-I, an intelligent fully automatic molding system, is the showpiece among the innovative range of products marketed world-wide by Fico Molding, which distinguishes itself by offering exceptional customer value by flexibility, high reliability, the shortest machine time in the market and guaranteed high output. Software is a key enabler in this latest product range and plays a crucial role in automatic equipment control, data acquisition and processing, a windows based user interface with a touch screen monitor facilitating easy, user friendly, operation of the machine and the (remote) monitoring of production parameters for maintenance and performance analysis.

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in Semiconductor Industry

CIMSOLUTIONS has, in a long-lasting co-operation since 1995 with Fico Molding, taken care of all phases of software development for a range of products on various software platforms and often their commissioning world-wide at the location of the end-user. This includes the Object Oriented Analysis & Design (UML), the development of the man-machine interface, embedded control software for the equipment, Visual Studio development, the application of Web Technology, automatic code generation, system integration & test, factory and site testing, configuration management and software project management. Key success factors were: automatic code generation minimising the time-to-market, iterative development for risk management and software development in compliance with the SEMI standards. In addition CIMSOLUTIONS has, in close co-operation with Fico Molding, specified the requirements for a Molding (Production and Machine) Performance Analysis System and developed this system in-house at CIMSOLUTIONS based on an agreed fixed-price under her own project management responsibility and risk. The system was delivered by CIMSOLUTIONS to specification, on time and to the acceptance and full satisfaction of Fico Molding including the after-delivery support and maintenance by CIMSOLUTIONS. This system enables Fico Molding not only to carry out corrective (remote) maintenance by facilitating the analysis, diagnosis and correction of errors, it also supports the analysis of trends so that errors can be traced to design flaws which can be eliminated in future releases.

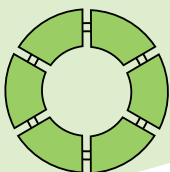
The focus of CIMSOLUTIONS is to apply state-of-the-art ICT concepts in combination with the latest software engineering techniques in a highly professional manner to the optimal benefit of the client. Our passion is to learn, create and make things work. Our dedication is to help our clients to be successful in their projects and goals. Our expertise covers all phases of the software life-cycle from specification and feasibility through design, development, test & implementation, to maintenance, support and project management of both tailor-made as well as standard applications, systems, hardware and networks.

CIMSOLUTIONS distinguishes itself by providing professional and independent ICT services of the highest value available, at the most competitive quality/price ratio, based on a long-term relationship with clients and employees, an efficient ISO and NEN certified organisation, a lean cost-structure and the vision to extend our services beyond the national boundaries. Our future is safeguarded by our strong client orientation, quality of our people and our services and the fact that we made profit every year since our start in 1992. In the coming years we foresee a continual autonomous growth both within as well as outside The Netherlands and Bangladesh.

Since its establishment in 1992 in The Netherlands, CIMSOLUTIONS has grown to more than 250 professionals operating from our six offices in The Netherlands and one office in Bangladesh, serving our clients in The Netherlands and Europe.

CIMSOLUTIONS provides the following expertise and services:

- Product Development and Innovation (Research & Development).
- Real-time Embedded Software, Technical Software Engineering and Integration, User Interfaces.
- System & Software Architecture & Design, Service Oriented Architecture, Web, Internet, Portal, Cloud.
- System development, Object Orientation, UML, Java, C, C++, C#, Ruby, .NET.
- Test management, test & tools: (non)functional, automated, exploratory, ISEB, ISTQB, TMMI, TMap NEXT, Agile Testing.
- State-of-the-art ICT concepts: Agile Scrum, DSDM, RUP, Lean IT, UML, XML, TMap NEXT, ITIL, ASL, BiSL.
- System & Software Application Maintenance, Support & Management.
- Manufacturing Automation, Production & Process Control, Simulation, Tooling.
- Internet & Web Applications, Data Communication, Telematics, Remote Maintenance.
- Databases, data warehouses, data vaults: Oracle, MS SQL Server.
- Microsoft, Windows, Unix, Oracle, RTOS and Open Source platforms and software.
- Project and Quality management: Prince2, Lean IT, Agile Scrum, RUP, DSDM, CMM(I), IPMA, ITIL, ASL, BiSL.
- Projects (also fixed-price), consulting, individual consultant and dedicated team assignment.
- Offshoring in Dhaka (Bangladesh), on which a separate flyer is available on request.



CIMSOLUTIONS
Automation for Industry & Business

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