



Customer

Airbus S.A.S.

SYSTEM FOR PROJECT CONTROLLING
USING EARNED VALUE METHODOLOGY

Introduction of the customer:



Airbus S.A.S., founded in 1970, is the biggest aircraft producer in the world. Its factories can be found in many European countries and they produce annually hundreds of aircraft in different series.

Inter-Informatics has cooperated with Airbus on a long term basis in the area of aircraft design as well as the area of information systems supporting development and production management.

Airliner manufacturing is a very demanding process. In the case of Airbus, it means to manage cooperation of hundreds and even thousands of specialists all over Europe and on top of that to use services of a whole range of sub-suppliers. While managing all that, it is necessary to pay attention to the highest possible quality of products as requested in the aerospace industry.

Nowadays, these demands cannot be met without a top information system. We appreciate that Airbus chose to use the Enhanced Performance Model ("ePM") system from Inter-Informatics for their support of project and cost management.

<http://www.airbus.com>

Project program:

The task for Inter-Informatics was to build an information system for an Airbus plant in Hamburg which would collect planning data from assigned data sources in different locations of the company and which would provide the company's top management with up-to-date, accurate data about the progress of work on the projects by comparing the plan with the current status of its fulfillment. A project is mostly understood here as production of a particular aircraft or production of the very first aircraft of a series.

Inter-Informatics' solution:

Inter-Informatics has provided Airbus with a complete information system for project controlling based on the Earned Value methodology.

More about Earned Value methodology [here](#).

The Enhanced Performance Model system provides Airbus's top management especially with the following information:

- What the planned allocation of costs within the project frame is
- What stage the project is really in; what has been done and how much there still is to be done
- How much of the plan discrepancy is caused by cost variance
- How much of the plan discrepancy is caused by schedule variance

The system works with risk factors too and helps to predict the exact time of project termination.

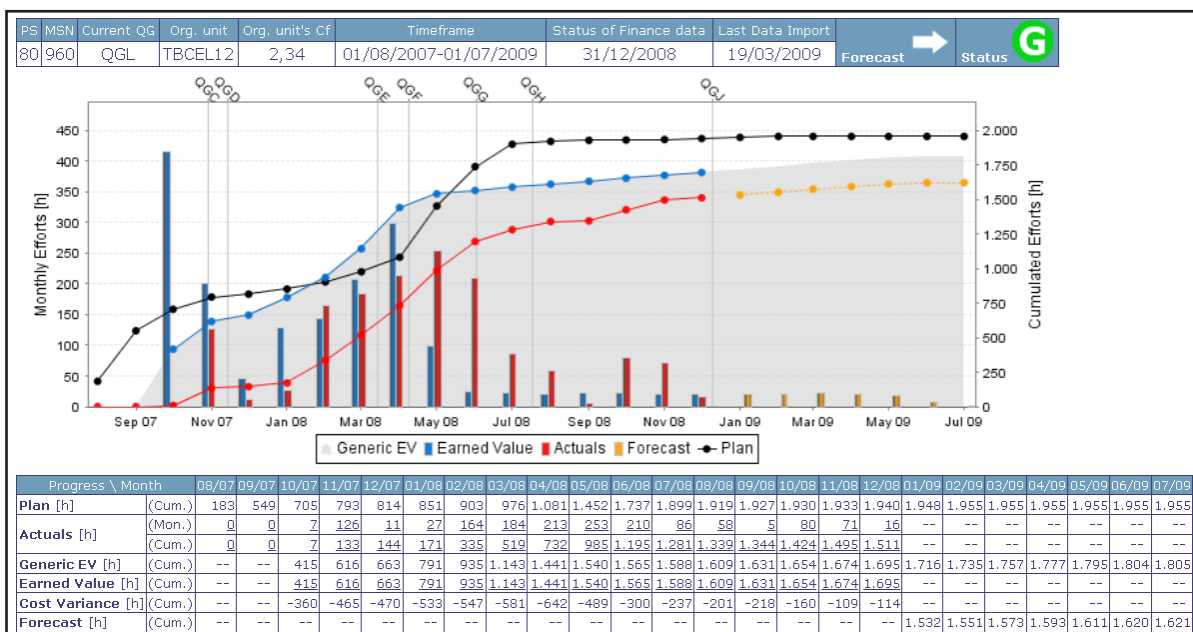
All information is not only presented in the form of accurate charts but also its graphical representation is clear and well arranged.

The system uses the following technologies:

- Operation system:
Sun Solaris
- Utilities used for development:
J2EE, EJB, JSP
- Application server:
Oracle® Application Server 10g
- Database server:
Oracle® Database 10g

Our cooperation with Airbus concerned especially:

- Consultations with the customer and determining their needs
- Analyses and integration of multiple varied sources which the system utilizes to extract data from
- Design of demanding calculations necessary for proper presentation of values
- Design of a robust solution, its development and implementation
- Service



Benefit for the customer:

Airbus company managers appreciate our solution especially from these reasons:

- » The managers responsible for large projects have the work progress under their control
- » They can determine the reasons for problems if there is a discrepancy between the plan and the reality
- » Corrective measures can be taken in time thanks to an early discovery of discrepancies between the plan and reality in complicated projects and therefore risks of subsequent costs are minimized



info@inter-informatics.com / http://www.inter-informatics.com

TC Inter-Informatics a.s. / Kolčavka 75/3 / P.O.BOX 5 / 190 00 Praha 9 / Česká republika / Tel.: +420 266 799 411

Inter-Informatics GmbH / Bodenseestraße 235 / D-81243 München / Deutschland / Tel.: +49 89 893 560 9-0

Inter-Informatics spol. s r.o. / Rychtaříkova 1 / 326 00 Plzeň / Česká republika / Tel.: +420 377 454 720

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