

## Projects

Advice, project coordination  
(06)

For AIRBUS  
Germany at AIR-  
BUS France  
in Toulouse (F)

- **Scope of Work**
- Clarification of technical facts of blocked work orders
- Priorisierung of the thorough technical complaints according to the processing plan in the production area
- Assessment of technical complaints with the help of available systems
- Investigating, showing and documenting Cross references between different complaints
- Comparison of making documents with obstructing condition in the aeroplane looked after
- Clarification of technical facts between production planning and other areas, e.g. as
- Design support (MAP)
- Supervision of the putting into action of the actions for releasing work orders agreed on on schedule
- Check of making pad validity
- Clarification of interfaces with e.g. area of MAP reporting
- Contemporary generation of reports to the preparation of decisions and to the control of the field of work
- Acquirement of regular progress reports
- Perception of rule appointments between MAP, outlet valves and version teams report level Operational put under the authority of the leader TRM 4.
- **Deliverables**
- Work orders which can be processed by the production
- Complaint reports which can be worked off by the production
- Weekly operative reporting (performance, appointment)

**Advice, planning and  
project coordination  
(05/06)**

**ESK Ceramics,  
Bazet automotive  
Sub Supplier (F)  
Nut group: Cera-  
dyne Comp.  
(U.S)**

- **The project contains the advice and planning of a process of automation with the profitability calculation of the raw part production up to the dispatch of the parts to the motor industry or its subcontractor.**
- The planning process also contains the construction of functional specifications for the possible suppliers. The offers were sought and selected by me in cooperation with the purchase.
- Photo of the actual state
- Execution of feasibility analyses
- Clarification of all technical questions of the customer incl. Making and adapting the burdens and functional specifications
- Execution of the complete project planning
- Construction of the project cost calculation with supply and execution of the controlling
- Piping and moderation with documentation of the team meetings (2 teams, 1 team in Kempten and 1 team in Bazet) and conferences division spreading
- Interface coordination between customers and supplier support
- Presentation preparations of the actual state, the feasibility analysis and the permission of the costs to automation at the nut group.

**Advice, planning and  
project coordination  
(05/06)**

**ESK Ceramics,  
Kempten automo-  
tive Sub Supplier  
(Germany)  
Nut group: Cera-  
dyne Comp.  
(U.S)**

- **The project contains the advice and planning of a process of automation with the profitability calculation of the receipt of goods (delivery raw parts) up to the dispatch of the parts to the motor industry or its subcontractor.**
- The planning process also contains the construction of functional specifications for the possible suppliers. The offers were sought and selected by me in cooperation with the purchase.
- Photo of the actual state
- Execution of feasibility analyses
- Clarification of all technical questions of the customer inkl. Making and adapting the burdens and functional specifications
- Execution of the complete project planning
- Construction of the project cost calculation with supply and execution of the controlling
- Piping and moderation with documentation of the team meetings (10 teams) and conferences division spreading
- Interface coordination between customers and supplier support
- Presentation preparations of the actual state, the feasibility analysis and the permission of the costs to automation at the nut group.

**Project management  
(04/05)**

**Seat,  
Martorell  
Automotive  
Spain**

- **Fully automated plant with 6 robots for seam sealing and undersealing and robots used throughout for the production of car bodies.**
- Project co-ordination, project supervision and co-ordination of 6 sub-suppliers, cost controlling and cost tracking.
- Dismantling of the existing plant during production.
- Installation of the framework (steel-girder construction, approx. 25 t) over 4 weekends.
- Installation of the material supply system and various injection dosing devices during production.
- Integrating the line controller, safety technology and zone visualisation systems during production.
- Robot installation, dismantling, reassembling and re-installing the application cabins and the air extraction and supply systems and commissioning the material supply system, the robot and line controllers, the visualisation system as well as optimising the conveyor systems (mechanical and control technologies during the Summer BU 04).
- Loading the robot application off-line programs during the Summer BU 04.
- Fine-tuning and test running the applications during production breaks.
- Availability testing and pre-acceptance during Winter BU 04/05
- Starting production in 2005
- Final acceptance and availability testing during March 2005.
- Production supervision until May 2005
- Employees used for the project: max. 45



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| <b>Project management<br/>(01/04)</b> | <b>DaimlerChrysler,<br/>Vitoria<br/>Automotive<br/>Spain</b> | <ul style="list-style-type: none"><li>• <b>New fully automated plant with 6 robots for seam sealing, undersealing and insulating all production car bodies.</b></li><li>• Project co-ordination, project supervision and co-ordination of 8 sub-suppliers, cost controlling and cost tracking.</li><li>• Material testing of new insulating materials recently released in the market (4 different material suppliers were used for this).</li><li>• Running similar to Seat above with pre- and final acceptance, availability testing and production supervision as the plant had been completely rebuilt.</li><li>• Employees used for the project: max. 85</li></ul> |
| <b>Project management<br/>(02/03)</b> | <b>DaimlerChrysler,<br/>Vitoria<br/>Automotive<br/>Spain</b> | <ul style="list-style-type: none"><li>• <b>Fully automated plant with 2 robots for cavity sealing in all production car bodies.</b></li><li>• Project co-ordination, project supervision and co-ordination of 4 sub-suppliers, cost controlling and cost tracking.</li><li>• Material testing of new cavity sealing material recently released in the market (in conjunction with the material suppliers).</li><li>• Running similar to Seat above with pre- and final acceptance, availability testing and production supervision as the plant had been integrated during production.</li><li>• Employees used for the project: max. 35</li></ul>                       |



**Project management  
(02/03)**

**Thomas Built  
Busses,  
High Point  
Automotive  
N.C., USA**

- **Fully automated plant for painting buses.**
- Project co-ordination, project supervision and co-ordination of 8 sub-suppliers, cost controlling and cost tracking.
- Installation of framework for the 15m long robot rails, installed to hold 2 application robots each (steel-girder construction, approx. 40t).
- Installation of the painting booths; extraction and supply air systems, paint deposition and climate control systems.
- Assembly of the material supply and various injection dosing systems for 4 high-runner, 4 change systems, hardener and solvent supply.
  - Integrating the line controller, safety technology and zone visualisation for the paint application and material supply systems.
  - Installing the robots as well as commissioning the material supply system, robot and line controllers, visualisation system and optimising the conveyor technology (mechanical and control technologies).
  - Loading the robot application off-line programs.
  - Fine-tuning and test running the applications during production runs.
  - Availability testing and pre-acceptance
  - Starting production in May 2003
  - Final acceptance and availability testing in June 2003.
  - Production supervision until September 2003
- Employees used for the project: max. 45

**Project management  
(02/03)**

**Opel,  
Gliwice  
Automotive  
Poland**

- **Fully automated undersealing plant with 6 robots used for all production car bodies.**
- Project co-ordination, project supervision and co-ordination of 6 sub-suppliers, cost controlling and cost tracking.
- Dismantling the existing manual plant during production.
- Installation of the framework (steel-girder construction, approx. 10t) for 6 stand-robots.
- Installation of the material supply and various injection dosing systems for 3 robot application pistols each.
- Integration of the line controller, safety technology and zone visualisation systems.
- Robot installation, dismantling, reassembling and re-installing the application cabins and the air extraction and supply systems and commissioning the material supply system, the robot and line controllers, the visualisation system as well as optimising the conveyor systems (mechanical and control technologies) for stop-and-go operation.
- Loading the robot application off-line programs.
- Fine-tuning and test running the applications during production breaks.
- Availability testing and pre-acceptance
- Start of production in 2005
- Final acceptance and availability testing
- Production supervision for 4 weeks
- Employees used for the project: max. 35