

**INGENIEURGESELLSCHAFT**

**HANLI**

PAINT.TEC Ingenieurgesellschaft HANLI mbH

**Our Business:**



INGENIEURGESELLSCHAFT

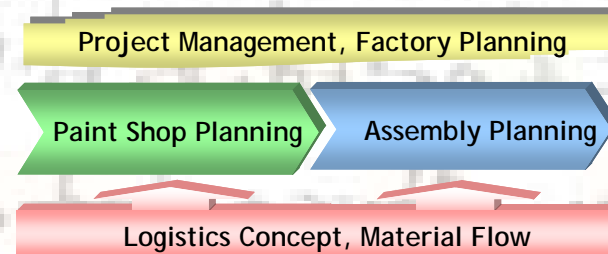
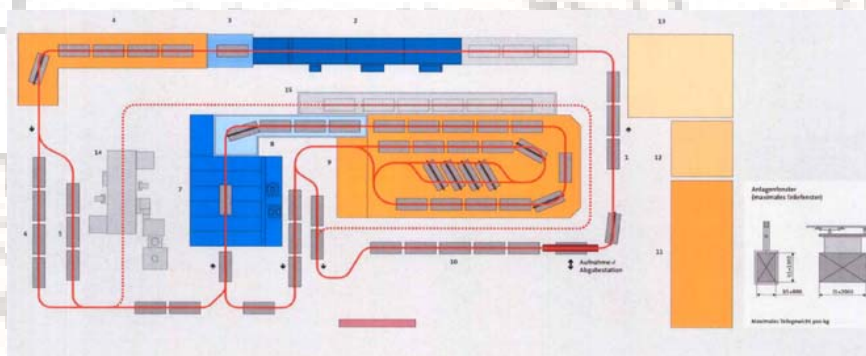
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# Ours Strengths

We are recognized partners of the planning and production of the automobile, airplane and supplier industry

- 20 years (200 man-years) project experience in production planning
- Recessed knowledge in the factory planning
- Technological competence and consistent customer orientation
- Professional methods in planning
- Manufacturer-independent support of the complete investments



# Ours Strengths

Project Management, Factory Planning

Paint Shop Planning

Assembly Planning

Logistics Concept, Material Flow

# Our Portfolio:



- Feasibility studies
- Cost calculation
- Complete factory planning
- Process analyses and -optimizations (FMEA)



## Paint Shop Planning

- Pre-Treatment
- ED-Coating
- Anticorrosive coating
- Primer-, Basecoat- and Clearcoat- process
- Coating of plastics
- Powder coating

## Project Management, Factory Planning

### Paint Shop Planning

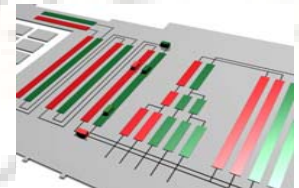
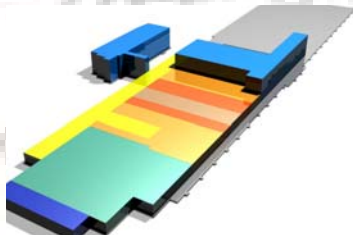
### Assembly Planning

## Logistics Concept, Material Flow

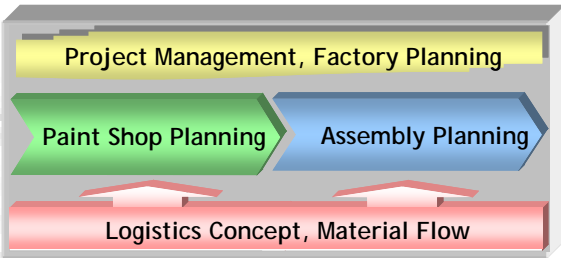
## Assembly-Line-Planning

- Assembly lines
- Assembly system
- Sequence plan
- Robotics and manipulators
- Conveyor technology
- Operating supplies

- Simulation studies
- Planning of logistic centers and Supplier parks
- Just In Time delivery



# Our References:



## Automotive Industry:

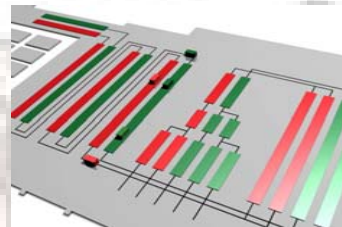
### ■ Volkswagen and Skoda:

Plant planning, paint shops and assembly lines:

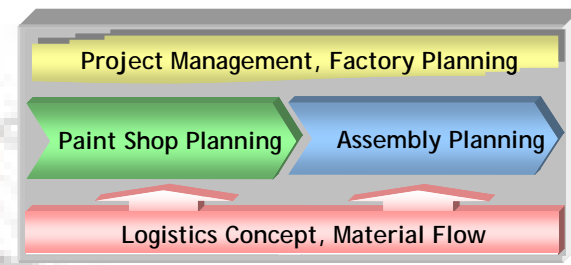
For VW-Transporter, VW-Bus, Porsche Panamera, VW-Amarok, Skoda, VW-Caddy, VW-Crafter

### ■ MAN AG

Paint shops and assembly lines

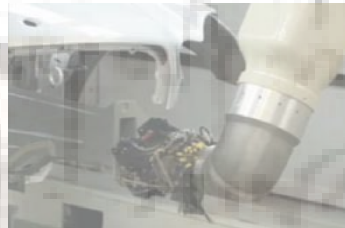
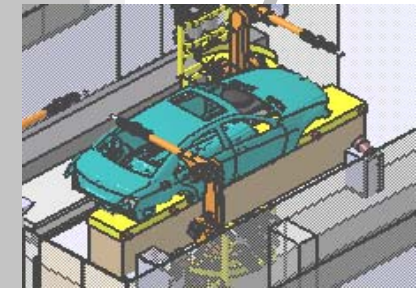


# Our References:

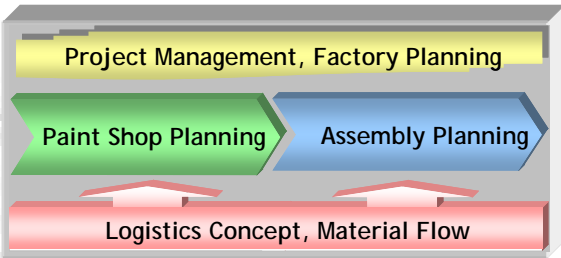


## Automotive Industry:

- BMW AG:  
Green Field paint shops
- Daimler AG:  
Paint shop planing
- KOMATSU Hanomag:  
Plant planning



# Our References:

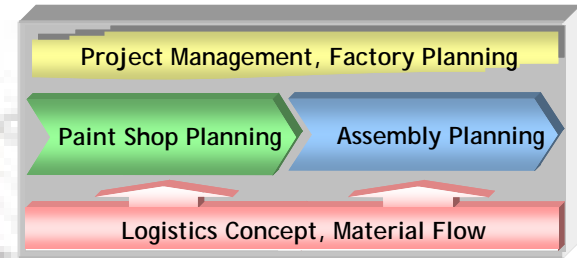


## Airplane and Space Flights:

- Airbus SE:  
Paint shop and assembly lines
- EADS, ASTRIUM and Euro Cryospace  
Total factory planning
- MC-21 Airplane-Factory  
Whole layout planning



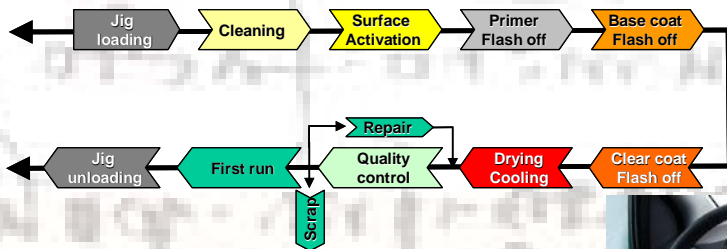
# Our References:



## Div. Projects for supplier:

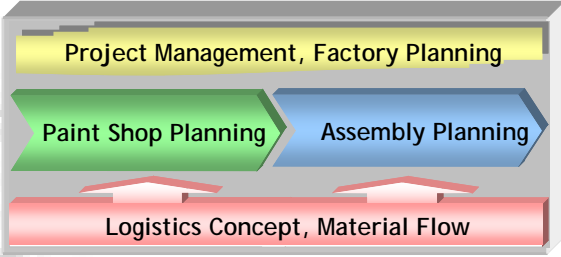
- Powder coating
- Plastic coating
- Assembly lines
- More projects on our homepage:

[www.hanli.de](http://www.hanli.de)





# Our References:



## Project Management, Factory Planning

- Feasibility study
- Premises checklist
- Finding a location and investors
- Design layouts from development of concepts to the plan of execution
- Simulation and work organisation
- Workplace engineering (planning of tools, jigs and fixtures)
- Factory design with CAD
- Tools, jigs and fixtures
- Support of SOP



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**What can we do for  
your business?**

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