The new 911 Carrera
Production Workshop
Plant Quality
We are committed to the addition of **value through** faultless internal and external production processes.

We produce **quality** and support the production process with **analysis know-how**.

We are **specialists** in finding **lasting solutions** that create internal and external value.
The new 911 Carrera – Quality in numbers

270 employees
split across 5 plant units in Zuffenhausen

4-cylinder Boxer
6-cylinder Boxer
GT-Engines
V8-Engines
E-Engines

6,800 audits/DKAs
of vehicles/year

1,100 suppliers

3 vehicle models
39 derivatives

Racing cars
Super sport cars
Premium sport cars
Fully electric sports cars

26,000 suppliers’ components
The new 911 Carrera – Quality at Zuffenhausen

We produce quality

Quality is planned:
- every single production step / hand movement is assured

Key characteristics are tested:
- after every major stage of production

Any variances are analysed:
- using cutting-edge methodology

Causes are rectified:
- problem-solving experts implement lasting solutions
Identify characteristics
Design assurance strategies
Implement test schedules
The new 911 Carrera – Test control loops in production

Assembly

Check cycle complete vehicle

Check cycle production segments

Producing quality

Employee self-monitoring

Test facility / Light tunnel

Audit / DKA

Producing quality
The new 911 Carrera – Checking quality
The new 911 Carrera – Analysing variances

- Function
- Geometry
- Acoustics
- CAD
- Bolt technology
- Materials engineering
- Hardware-Software-Systems
Lasting solutions

Define  Implement  Verify

Vehicles that thrill
„The best ever 911“
The new 911 Carrera – Challenge of bodywork

- 3,700 check points per body
- 80kN joining forces
- 16 bonding techniques
- 20.8 metres of welded joints
- 179 bought-in parts
- 279 new robots in new body shop
- 4,154 joining points
- 181 metres of bonded joints
The new 911 Carrera – Matching of body components

Make → Analyse → Adjust