

PSW Company Presentation

_psw identity Who we are

ENGINEERS OF THE AUTOMOTIVE FUTURE

_ In more than 30 years, PSW has developed into one of the leading automotive engineering partners.

Today the company is actively and imaginatively helping to shape the mobility of the future with 1000 specialists based in

Ingolstadt and Neckarsulm. We see ourselves as an innovative development partner that

develops entire vehicles and systems as well as integrating technologies for its customers.

The foundation of our success is our wide range of services, something which is rarely found in the automotive industry. These services are exactly the expertise necessary to help shape the mobility of the future, ranging from pre-development and simulation to testing and support of vehicle series production. We combine our extensive range of services with efficient project management in a matrix organisation. Thus we are able to offer our customers the complete realisation of projects from a single source.

_ PSW IDENTITY What drives us Our creed.

_ WE BRING

MOBILITY VISIONS

TO LIFE.

enabling

the entire development process

envisioning

in emerging technologies

#3 efficient

in execution



We deliver integrated mobility technologies by pushing limits. Complete vehicle _ Cutting-edge Connected mobility Digital engineering & development technologies & innovations virtual prototyping #5 #2 #6 #1 #3 #4 Know-how in Decades of Innovative Continuous Wide range Virtual transfer of knowof services and how and synergies expertise



1988 FOUNDED

AS A THREE-MAN COMPANY FOCUSSING ON CLASSICAL ENGINEERING SERVICES

#1_ Decades of engineering excellence (1/3)

From classical engineering to shaping the future of mobility.

2016

_ 100%

OWNERSHIP

BY AUDI AG

_STRATEGIC REORGANISATION

WITH A MATRIX ORGANISATION

2019

_ CERTIFICATION AS GENERAL VEHICLE DEVELOPER

_ RECORD ANNUAL SALES

€130 MILLION

2009 _ AUDI A5 SPORTBACK

DERIVATIVE DEVELOPMENT 2018

_AUDI Q8 SUV

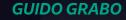
OVERALL
DERIVATIVE
DEVELOPMENT

2020

AUDI A3

DEVELOPMENT OF SPORTBACK AND LIMOUSINE 30 years'

engineeringexpertise



BOARD MEMBER FOR
FINANCE, COMPLIANCE AND INTEGRITY



BOARD MEMBER FOR PERSONNEL, LEGAL AND ORGANIZATION



#1_ Decades of engineering excellence (2/3)

References*

engineeringexpertise







IN.º0 8000



Audi Al:ME

Lamborghini Urus

#1_ Decades of engineering excellence (3/3) Full power ahead towards achieving the electric future of mobility.

30 years' engineeringexpertise





Da wird selbst Batman neidisch







Autogramm Audi e-tron GT Concept

Der Flachblitz



#2_Innovative project management

We develop mobility solutions in an agile matrix.

project management



FOCUSSING ON OEM CUSTOMER ORGANISATION AND PROCESSES

> **SHORT RESPONSE TIMES** ROUGH STRONG STEERING **COMMITTEES**

CLEAR RESPONSIBILITIES THROUGH RAPID DECISION-MAKING **CHANNELS**

> **MAXIMUM CUSTOMER FOCUS INCREASES DEVELOPMENT EFFICIENCY**

Our agile project management mirrors the vehicle series structure creating efficiencies and freedom for our customers.



#3_Continuous transfer of know-how and synergies We maximise synergies.

transfer of know-how and synergies



range of servics

Forward-looking expertise combined with a wide-ranging portfolio.











Alternative Powertrains

Integral Safety

_Smart City

Virtual Engineering











Interior User Experience

_ Thermal Management & Aerodynamics

_ Quality, Testing & Validation

#5 _ Know-how in future technologies

Our contribution for sustainable, autonomous and connected mobility.





SUSTAINABILITY

We have the expertise to help develop electric drivetrains, integrate them into vehicles and optimize their range.



AUTONOMOUS MOBILITY

We have expertise in comprehensive safety systems and design of the interior by considering, integrating and testing all functions.



CONNECTIVITY

We program what is conceivable. This enables us to connect vehicles with their environment and ensure a more sustainable flow of traffic.

HMI/infotainment, Car-2-X)



How our customers benefit from digital vehicle development.

Virtual development methods

VIRTUAL TECHNOLOGY VALIDATION

PSW tests load cases virtually within a few hours.
Using hardware, this takes much longer.

DIGITAL AERODYNAMICS DEVELOPMENT

PSW digitally develops aerodynamics, thus reducing test times with hardware to a few hundred hours.

VIRTUAL REALITY TECHNOLOGY

PSW develops solutions with VR methods, bringing technologies to life and thus facilitating design decisions.

We are all this and much more - PSW.

238

400



YEARS OLD

AVERAGE AGE OF STAFF MEMBERS

OEM CUSTOMER PROJECTS IN

COVENTIONAL AND FUTURE TECHNOLOGY FIELDS

YEARS AVERAGE

PERIOD OF STAFF RETENTION



MILLION EUROS TURNOVER
GENERATED BY PSW IN 2019

1000 2

PEOPLE WORK FOR PSW AT TWO LOCATIONS



NATIONALITIES DEVELOP GLOBAL IDEAS AND SOLUTIONS

3-4

MAJOR PROJECTS IN PARALLEL IN AN AGILE MATRIX ORGANISATION



YEARS OF ENGINEERING EXCELLENCE.

_ Making tomorrow possible.

We look forward to shaping the mobility of the future with you!