# **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.



# FOR FUTURE MOBILITY.

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

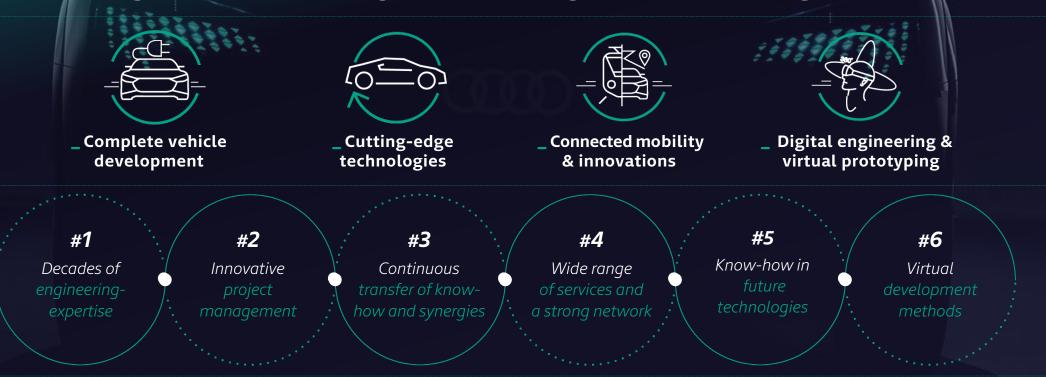
in emerging technologies

#3 efficient

*in execution* 



## We deliver integrated mobility technologies by pushing limits.



From classical engineering to shaping the future of mobility.

30 years' engineeringexpertise

1988

\_ FOUNDED

AS A THREE-MAN COMPANY FOCUSSING ON CLASSICAL ENGINEERING SERVICES 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

**MATTHIAS PFISTER** 

CHAIRMAN OF THE BOARD ENGINEERING

**GUIDO GRABO** 

BOARD MEMBER FOR
FINANCE, COMPLIANCE AND INTEGRITY

SASCHA HATTEMER

BOARD MEMBER FOR PERSONNEL, LEGAL AND ORGANIZATION





Lamborghini Urus



Audi Q8



Audi Al:ME

# **#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

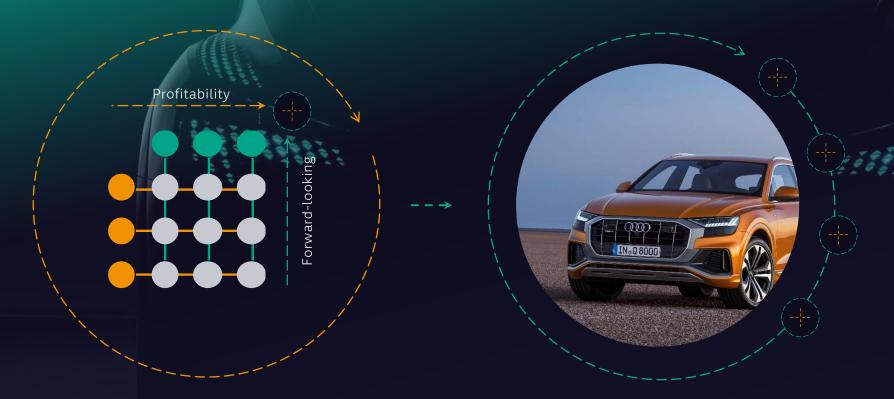
**Der Flachblitz** 



## #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.





range of servics



\_ General Development



\_ Alternative Powertrains



\_ Integral Safety



\_ Smart City



\_ Virtual Engineering



\_ Innovation Hub



\_ Engineering



\_ Interior User Experience



\_ Thermal Management & Aerodynamics

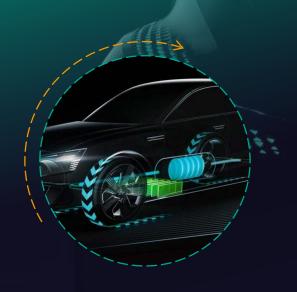


\_ Quality, Testing & Validation

### #5 \_ Know-how in future technologies

Our contribution for sustainable, autonomous and connected mobility.

future technologies



### **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.

**2**38

400



**YEARS OLD** 

**AVERAGE AGE OF STAFF MEMBERS** 

OEM CUSTOMER PROJECTS IN

COVENTIONAL AND FUTURE TECHNOLOGY FIELDS

**YEARS AVERAGE** 

**PERIOD OF STAFF RETENTION** 

**130** 

MILLION EUROS TURNOVER
GENERATED BY PSW IN 2019

1000 2

PEOPLE WORK FOR PSW AT TWO LOCATIONS



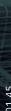
NATIONALITIES DEVELOP GLOBAL IDEAS AND SOLUTIONS

3-4

MAJOR PROJECTS IN PARALLEL IN AN AGILE MATRIX ORGANISATION

30

YEARS OF ENGINEERING EXCELLENCE.





# \_ Making tomorrow possible.

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