



# PGS PLASTİK

Company Presentation

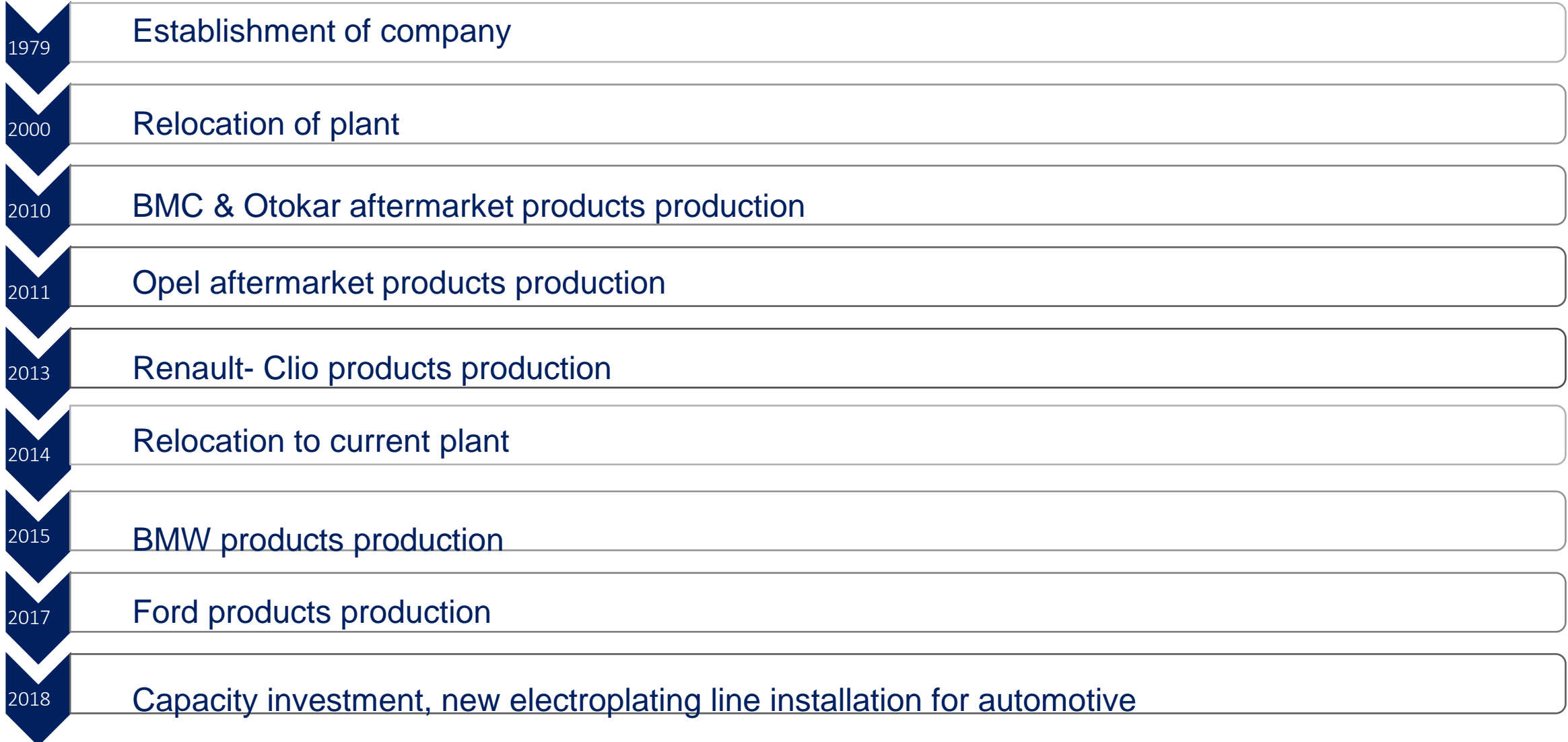


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# 1. Company



# 1. Company

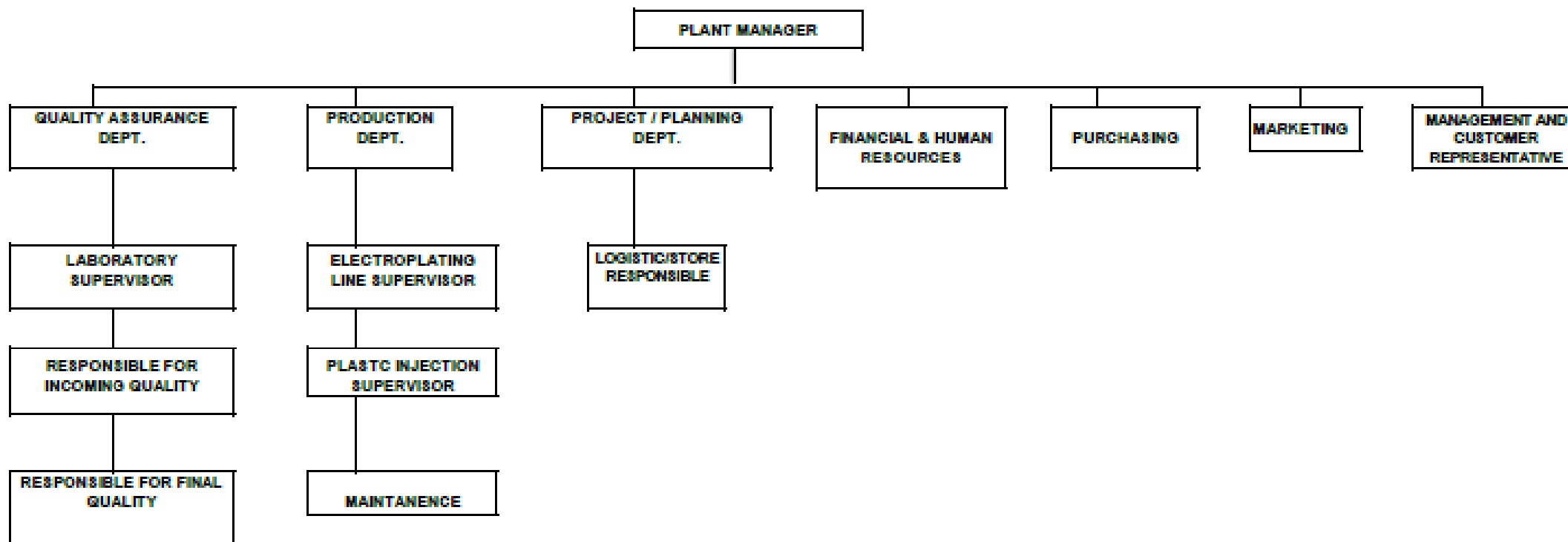


<b>Main Indicators</b>	
<b>Plating capacity</b>	
<b>Electroplating Line-1</b>	<b>50.000 dm<sup>2</sup>/day</b>
<b>Electroplating Line-2</b>	<b>25.000 dm<sup>2</sup>/day</b>
<b>Number of employees</b>	<b>52</b>
<b>White collar</b>	<b>8</b>
<b>Blue collar</b>	<b>44</b>



# 1. Company

- **Organizational Chart**



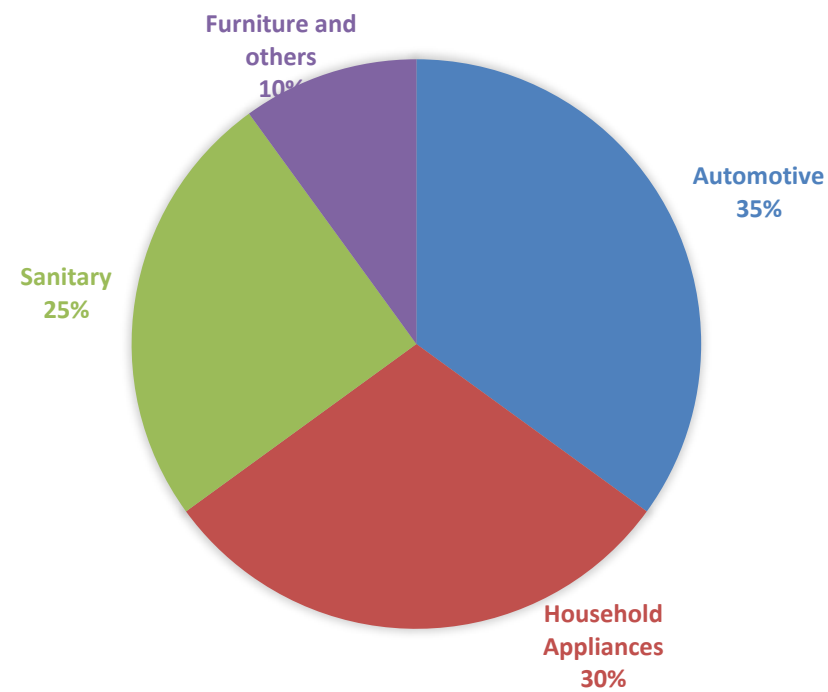


# 1. Company

Our main business is plastic injection and copper-nickel-chrome plating on ABS and PC/ABS plastic

- Automotive
- Household Appliances
- Sanitary
- Furniture and others

**SECTORAL ALLOCATION**



# 2. Manufacturing Quarter



Location : Kemalpaşa OSB  
Izmir /TURKEY

Total area : 4.900 m<sup>2</sup>

Total closed area : 2.350 m<sup>2</sup>



# 3. References

- CAVO, Automotive 1st Tier Supplier
- CMS, Automotive 1st Tier Supplier
- OTOKAR, Light&Medium Com. Vehicles&Buses
- BMW







# 4. Quality Management

We perform productive activities according to principles of  
IATF 16949 Quality Management System  
ISO 9001 Quality Management System



## CERTIFICATE



This is to certify that

**PGS PLASTİK AHŞAP METAL KAPLAMA SANAYİ VE TİCARET LTD. ŞTİ.**  
Kemalpaşa Organize Sanayi Bölgesi 78. Sokak No:7  
35735 İzmir  
Turkey

has implemented and maintains a **Quality Management System**.

Scope:  
Nickel-Chrome plating, Satin Chrome plating on Interior and Exterior Plastic Parts.

An audit, conducted and documented in a report, has verified that this quality management system fulfills the requirements of the following International Automotive Standard:

**IATF 16949:2016**  
(without product design)

Certificate registration no. 31300617 IATF16  
Issuing date 2021-05-15  
This certificate is valid until 2024-05-14  
IATF No. 0389564

For and on behalf of DQS

Nurani S. Venkatesharam  
Director-Corporate Automotive Program, DQS Holding GmbH

Michael Drechsel  
Managing Director, DQS Holding GmbH

IATF Contact Office: DQS Holding GmbH, Konrad-Adenauer-Allee 5-10, 61118 Bad Vilbel, Germany



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35735 İzmir  
Turkey

has implemented and maintains a **Quality Management System**.

Scope:  
Nickel-Chrome plating, Satin Chrome plating on Interior and Exterior Plastic Parts.

Through an audit, documented in a report, it was verified that the management system fulfills the requirements of the following standard:

**ISO 9001 : 2015**

Certificate registration no. 31300617 QM15  
Valid from 2021-05-15  
Valid until 2024-05-14  
Date of certification 2021-05-15

DQS GmbH

Markus Dehner  
Managing Director

Accredited Body: DQS GmbH, August-Kern-Strasse 21, 69403 Pfaffenhofen am Main, Germany  
Administrative Office: DQS Deutschland & Regionales Ltd. CE, 13 Maya Mah. Şişli Etiler Cad.  
Paşa Hanı Sarayı No: 19/01 Blok, 34736 Şişli - İstanbul / Turkey



# 5. Plastic Injection



We offer to our customer integrated solution about injection and plating

Machine park is consisting of three machines for now.

120 ton Borsche Brand

150 ton Arburg Brand with automatic robot

150 ton Borsche Brand

200 ton Borsche Brand





# 5. Plastic Injection

According to customer specifications, we can inject with ABS or PC/ABS blend for plated products.

In compliance with technical specification; mostly used ABS brands are

LG MP 220

Samsung Sd-0150

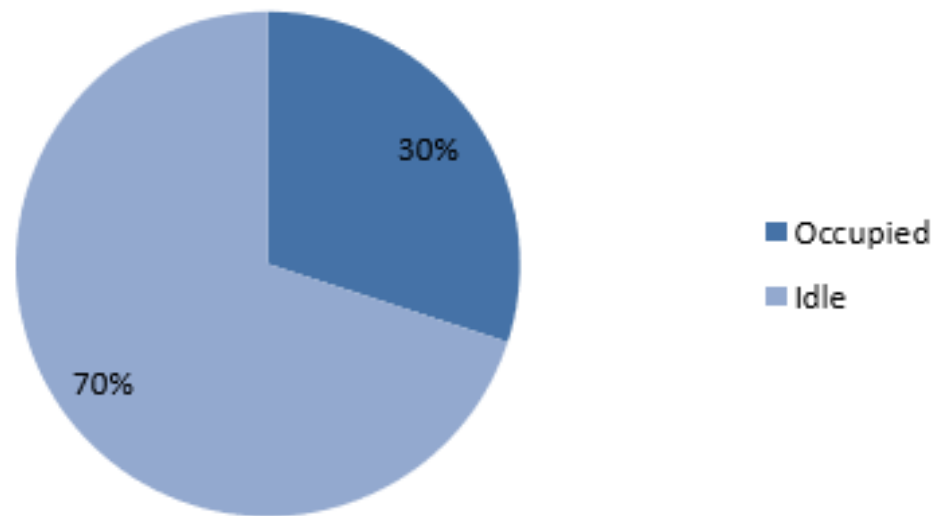
BASF Terluran GP-35

Magnum 3535

Kumho 750 –SW

Bayblend T45 (for PC/ABS)

### Injection Capacity



# 6. Plating Abilities

## ELECTROPLATING LINE-1

- U- type, automatic,
- PLC Control
- 84 stations
- 7 robots

### Platings Types,

Chrome

Satin (Matt) Chrome

Semibright Nickel

Bright Nickel

Matt Nickel



# 6. Plating Abilities



## ELECTROPLATING LINE-2

- U- type,automatic,
- PLC Control
- 62 stations
- 4 robots

### Platings Types,

Chrome  
Satin (Matt) Chrome  
Bright Nickel  
Satin Nickel  
Microporous Nickel  
Semibright Nickel

# 6. Plating Abilities

- Plating window sizes are 2.0 m x 1.20 m.  
All plastic products could be plated within these dimensions.
- We can design and manufacture our plating apparatus in-house. Thus, we can respond to the customer requests faster.



## 8. Laboratory

### Test Abilities

All analysis of plating baths can be performed in our laboratory periodically for to assure production stability.

Coulescope , is used for determination of plating thickness individually and measuring potential differences between nickel layer.

System Metallurgical Microscope, is used for examination of plated surface in detail. Also micropores might be count.

Fuhrmann Test Kit is used for to indicate micropores on microporous nickel layer.



## 8. Laboratory



### Test Abilities

We perform corrosion tests such as CASS, NSS and AASS

Thermal cycle cabin is used to determine adhesion strength of plating on plastic.







# 9. Projects

- In 2013-2014 Cost Effective Industrialization of an eco-friendly pre-treatment for plastic chrome plating using self assembly nanotechnology European Union FP7 project had been completed successfully.
- In 2015-2016, with Tubitak, Examination of adhesion and corrosion performance by optimizing plating thickness project had been completed successfully.
- In 2016-2018, we studied with MANUNET ERA-NET project about metallizing plastic parts through additive manufacturing techniques in components used at high frequencies for space and telecommunications applications.

**THANK YOU FOR YOUR INTEREST**