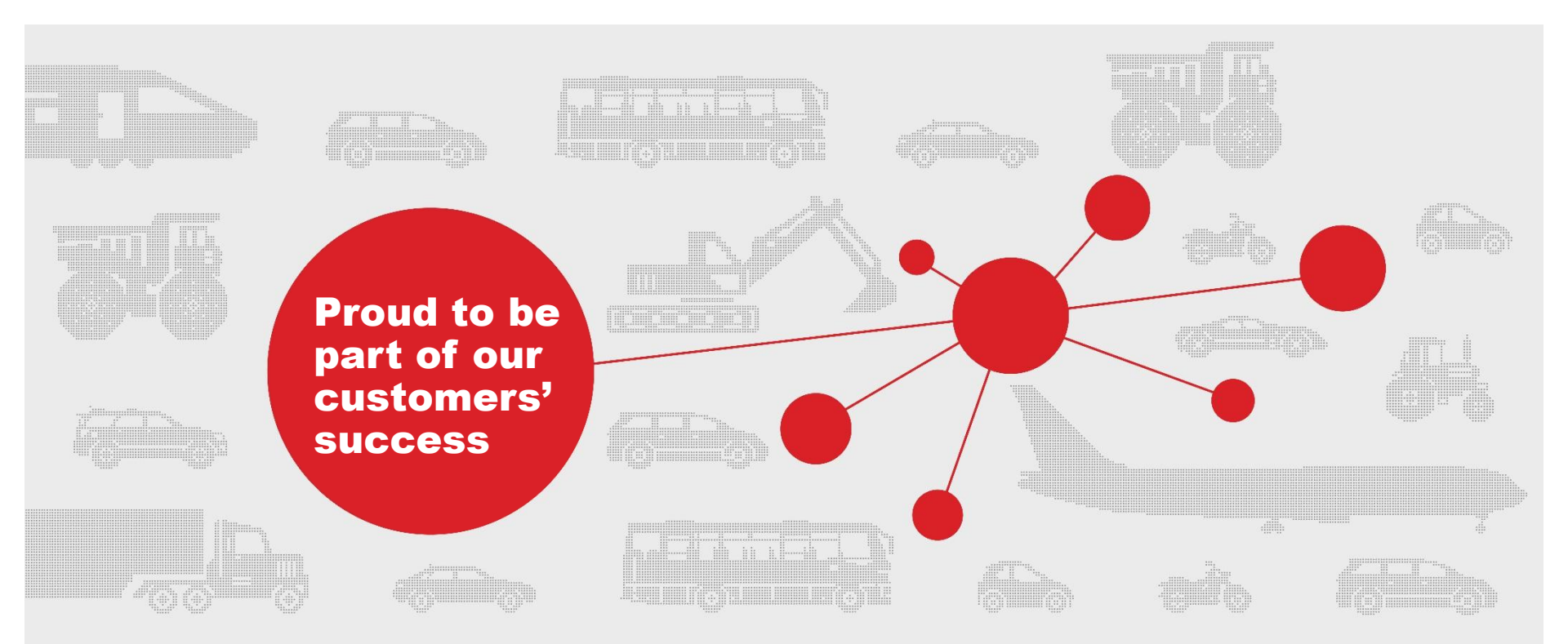




**Proud to be
part of our
customers'
success**

VW Customer visit to the MSAS Pamplona.

VW: Martin, Benjamin (BZ-V4) // Koehler, Nils (BZ-V4/1) // Schwentner, Nele (BI-2/1) // Genau, Laura (BI-2/1) // Russo, Andrea (BI-2) // Hinz, Carina (BI-2).

MSAS: Marius Jahn // Kristin Grosser // Duarte Iria.



25.08.2026

General Information about Motherson SAS PAMPLONA

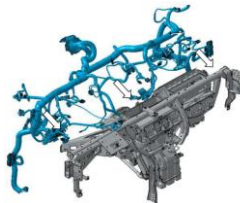


Mothersons plant in PAMPLONA

Estate:	ARAZURI 1: 11.347 m ² ARAZURI 2: 4.750 m ²
Shop floor:	3000 m ²
Employees:	300
Output:	1.438 Cockpits/ day
Annual Sales:	78 Mio € in 2025
Certificates:	IATF // ISO14.001 // ISO50.001 // TISAX

Capabilities

- Wire-harness and door cable internal logistics & sequencing
- Pre-logistic of different components for cockpit assembly.
- Complete cockpit assembly.
- Welding of blendes panels.
- Delivery of Blendes to VW-Southafrica
- Delivery Just in Sequence to VW-Navarra.
- Wire-harness and door cable internal logistics & sequencing.



Products



COCKPIT



BLENDES Panels



Visiting our plant? Please do not compromise our privacy and ensure your own safety.

Please refrain from taking photographs and ensure you obtain your companion's permission if necessary.

Just 2 messages regarding your safety:

- PPE:

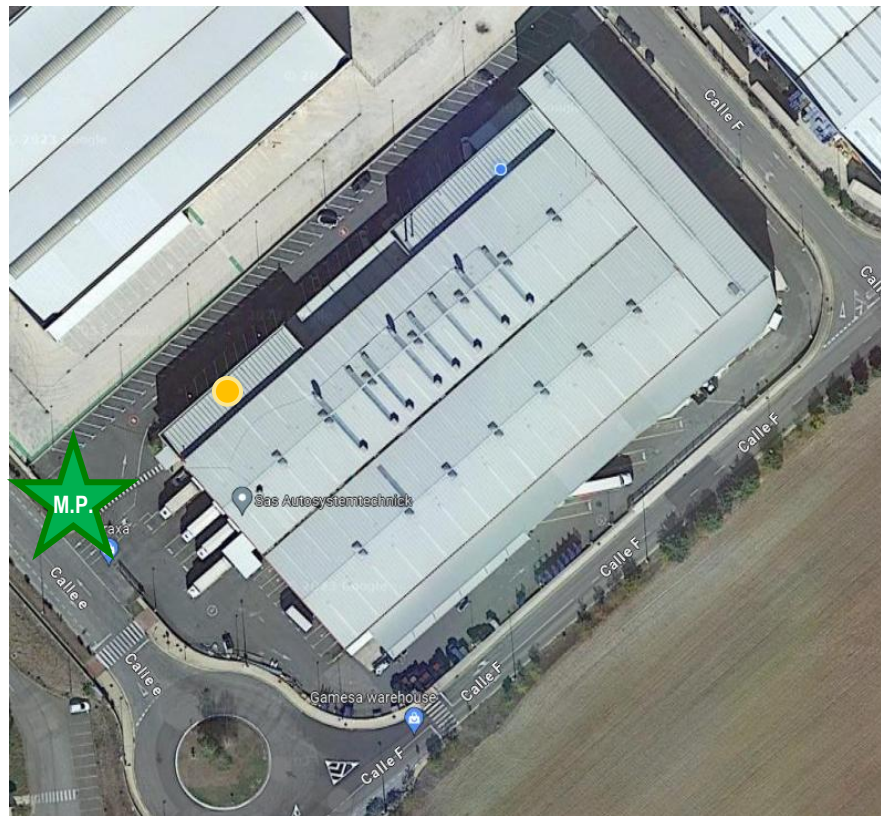


SHOPFLOOR



LOGISTIC
AREAS

- MEETING POINT:



History Motherson SAS PAMPLONA (More than 25 years of experience)

motherson 

2016 296.423
2017 244.136
2018 272.109
2019 177.267
2020 106.561

2021 9.013
2022 98.129
2023 81.189
2024 99.495
2025 93.600



1999 2001 2005 2009 2014 2016 2018 2021 2026-2034 URBAN EV

VW Polo A03 GP



1999 53.189
2000 298.174
2001 210.213

VW Polo A04 GP



2005 166.722
2006 234.853
2007 230.787
2008 256.543
2009 90.468

VW Polo A05 GP



2014 305.515
2015 298.589

VW T- Cross



2018 272.109
2019 143.256
2020 136.030
2021 141.256
2022 155.958
2023 122.585
2024 143.313
2025 114.400

VW Polo A07PA



2021 70.768
2022 37.573
2023 66.047
2024 31.648

VW ID-Cross

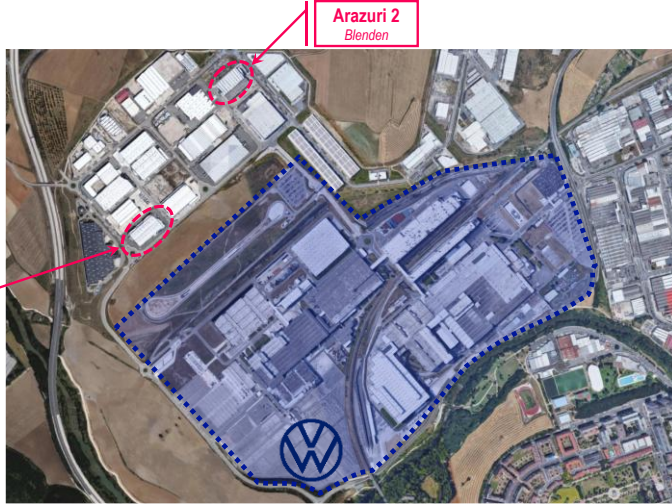


2026 21

Volumes Motherson MSAS PAMPLONA

MODEL	2026		2027		2028		2029	
VW TAIGO 	72.533	30%	63.691	17%	30.442	10%	20.029	6%
VW T-CROSS 	123.046	50%	118.230	31%	99.566	32%	94.014	29%
SKODA EPIQ 	29.688	12%	89.491	24%	73.329	24%	86.375	27%
VW ID-CROSS 	20.476	8%	104.395	28%	107.472	35%	121.160	38%

Description MSAS-PAM



Business Model

- 1 Cockpit ➔ Pre-logistic
- 1 Cockpit ➔ Assembly
- 1 Cockpit ➔ JIS to VW Navarra
- 2 Wire Harness Storage & Sequencing
- 3 Deco Trim Welding, assembly & JIS

Company

motherson 

ADDRESS

ARAZURI 1_Pol. Ind. Arazuri – Orcoyen C/E n°5.

ARAZURI 2_Pol. Ind. Arazuri – Orcoyen C/C n°2.

PURPOSE

Cockpit Assembly & JIS + Deco assembly & JIS

T-CROSS (VW216) SOP: 12-2018 EOP: 2029

TAIGO (CUV) SOP: 09-2021 EOP: 2029

Skoda Epiq (SK216) SOP: 06-2026 EOP: 2034

ID-Cross (VW216) SOP: 09-2026 EOP: 2034

PROGRAMS
ACTUAL

ASOCIATED

320 TOTAL (261 DA & 49 IA)

CUSTOMERS

VW Navarra

CKD –VW South Africa (Blenden)

AREA

Arazuri 1: 11.347 m²

Arazuri 2: 4.750 m²

SALES

78 Mio€ in 2025

CERTIFICATES

IATF // ISO14.001 // ISO50.001 // TISAX

SHIFT PATTERN

3 turnos (8h)

VOLUME DAY

1.438 Cockpits.

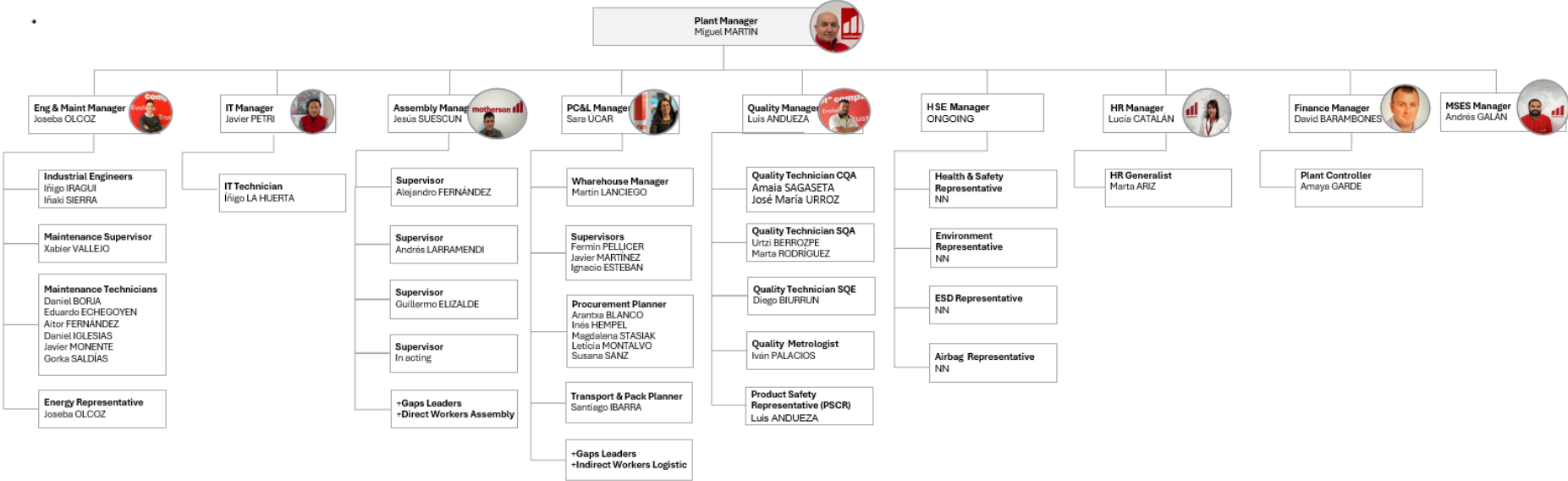
Logistics Delivery Concept

JIS DELIVERY

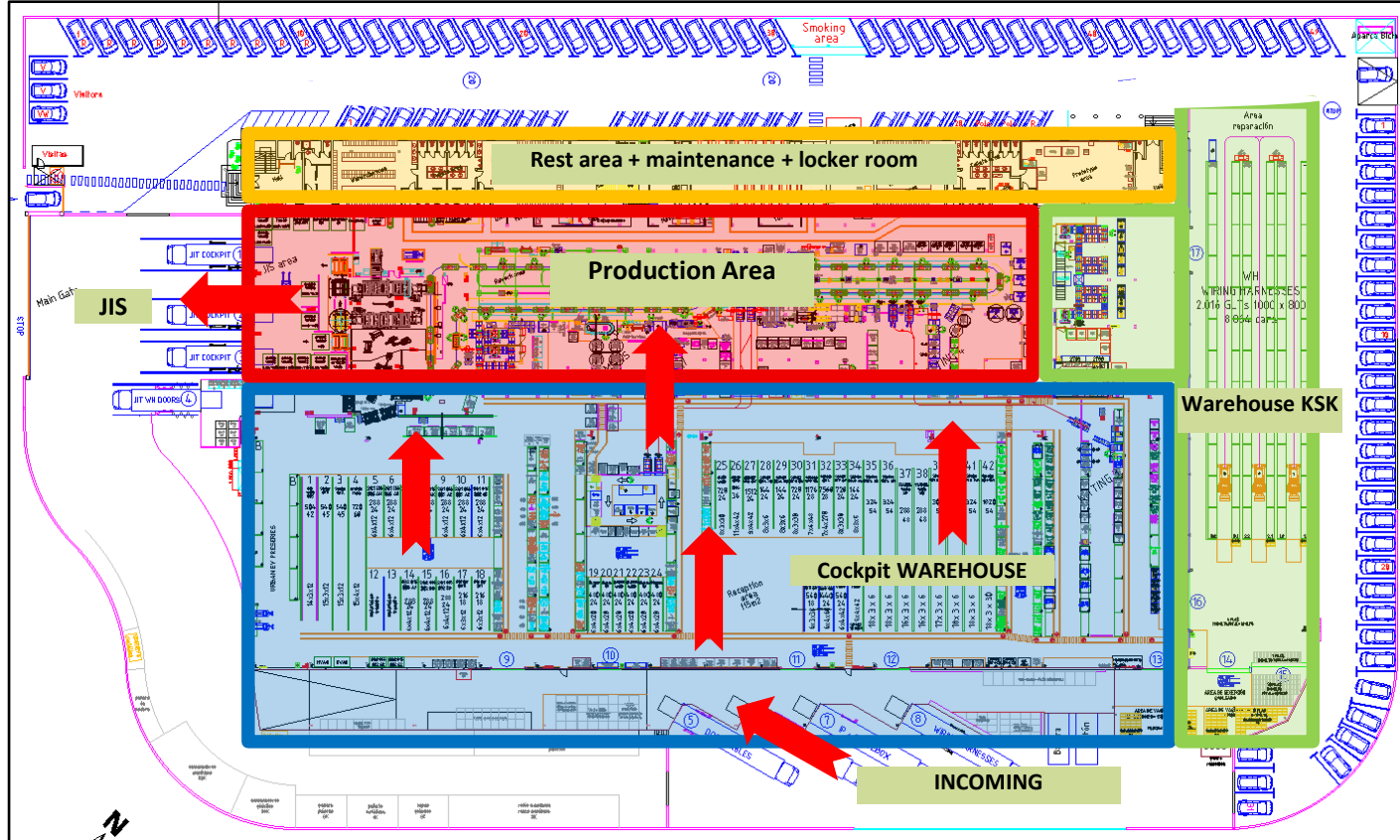
- **1.438 JIS Cockpits delivered per day**
 - 3 dedicated trucks (+ 1 backup)
 - 16 cockpits/truck
 - 90 deliveries per day.
 - Aprox 45 minutes per roundtrip.
 - Lead Time 100min. MSAS-VW Nav.
- **1.438x4 = 5.752 Door WH delivered per day**
 - 1 dedicated truck
 - 384 Door WH/truck (96 car/truck)
 - 15 deliveries per day
 - Aprox 90 minutes per roundtrip
 - Lead Time 180min. MSAS-VW Nav
- **4 Outbound DOCKS (3 Docks Cockpit + 1 Dock Door WH)**



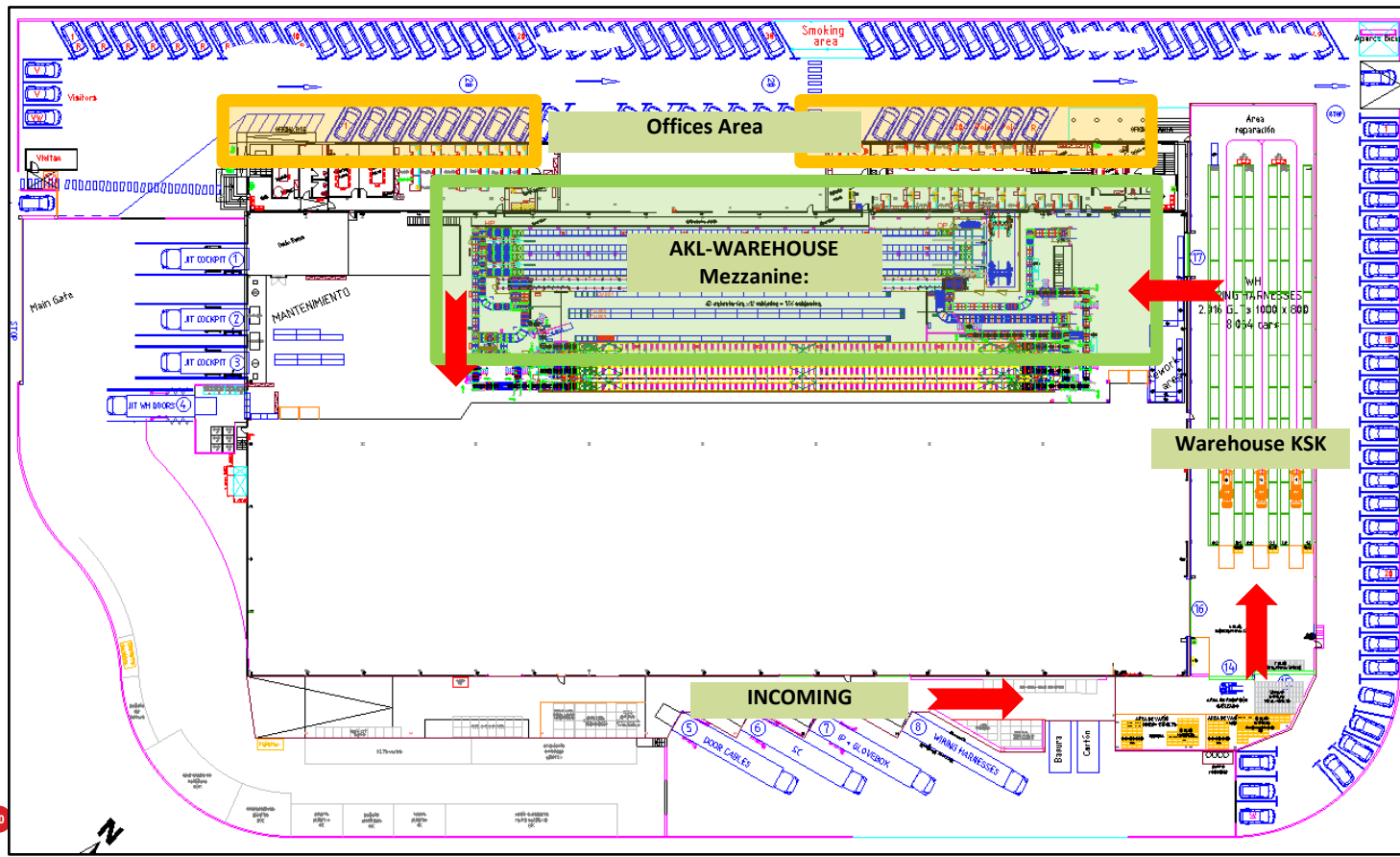
Organisation Motherson SAS PAMPLONA



Plant Layout MSAS PAMPLONA Arazuri1(Ground floor)



Plant Layout MSAS PAMPLONA Arazuri1, (first floor)

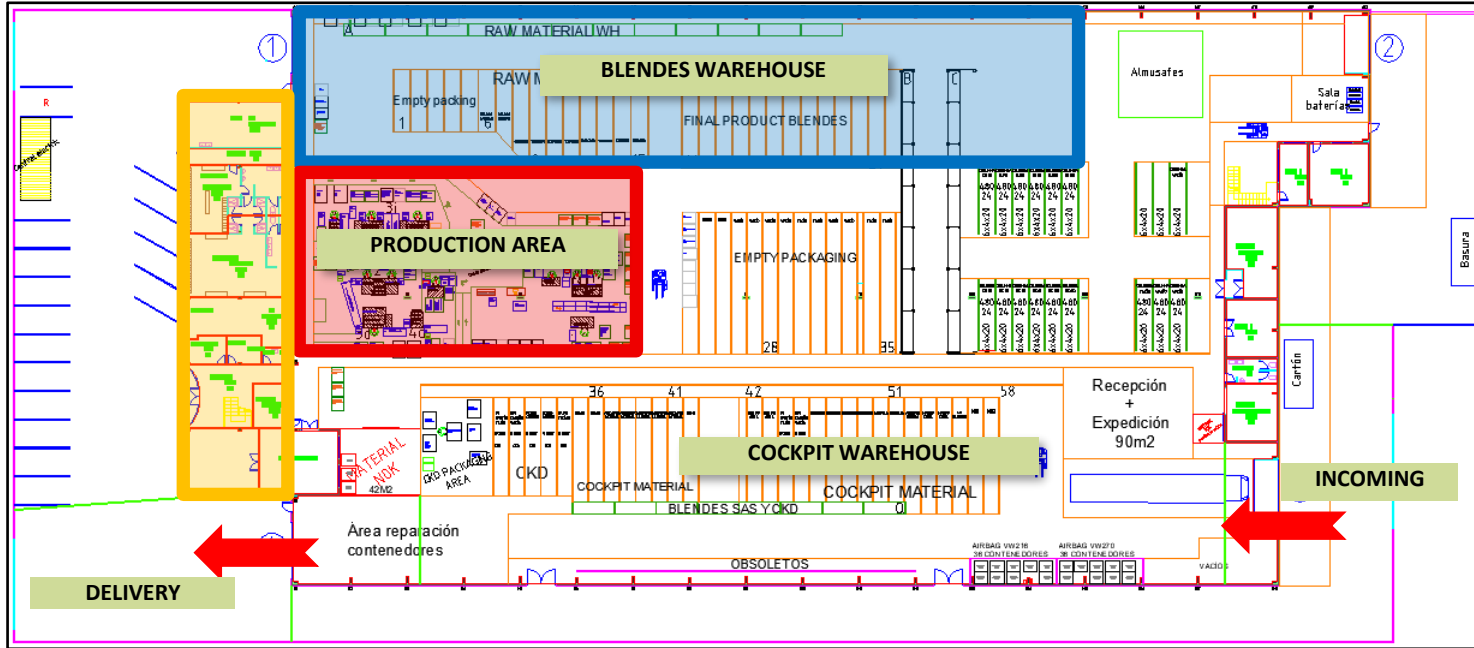


OFFICES

KSK

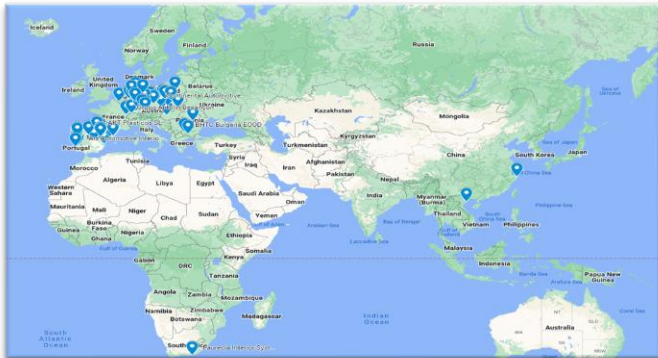
Plant Layout Motherson MSAS PAMPLONA

Arazuri 2



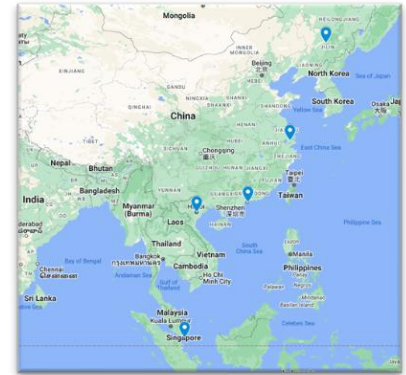
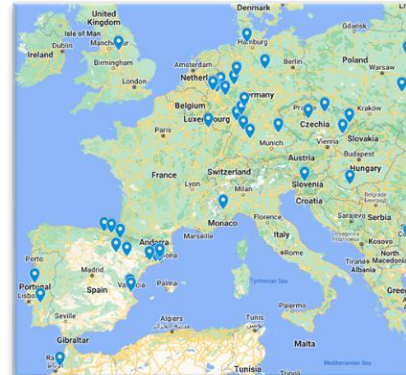
PRELOG: VW TAIGO& VW T-Cross

- **331 PNs ICE Models.**
- **74 ICE suppliers in 14 countries:**
 - Europe (69 Suppliers)
 - Central Europe (33 Suppliers)
 - Eastern Europe (13 Suppliers)
 - Spain (17 Suppliers)
 - Portugal (6 Suppliers)
 - Asia (4 Suppliers)
 - Africa (1 Suppliers)



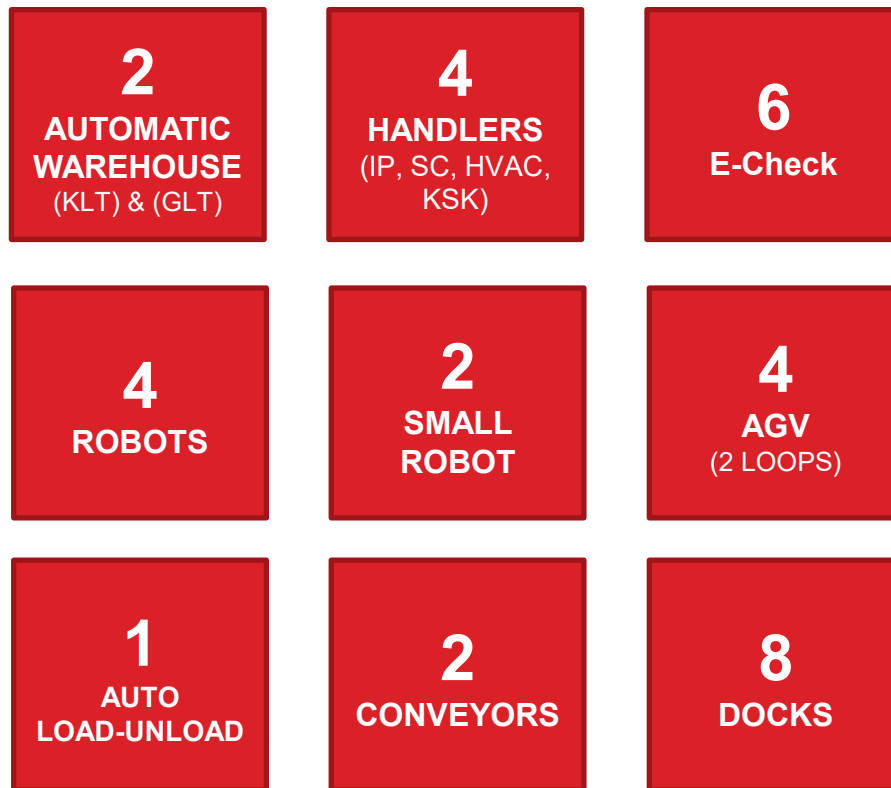
PRELOG ADD-ON: URBAN EV (VW&SK216) BOM Version: June 2026

- **+412 PNs. TOTAL PNs: 743 PNs.**
- **+29 NEW URBAN EV Suppliers: TOTAL: 103 SUPPLIERS**
 - Europe (+ 15 Suppliers)
 - Spain (+8 Suppliers)
 - Ukraine (+1 Suppliers) (No UE)
 - Asia (+3 Suppliers)
 - Africa (+2 Supplier)



Assembly, Delivery and Control Scope

- Output: 1.438 cp/day
- Continuous Flow. Carrusel Line.
- CT: 52".
- 45 Work Stations
- Time between M1 and Point of Fit: 100'
- Buffer Total Máx: 85 cp. (74')



Logistics and Production Area

- **SAFETY**

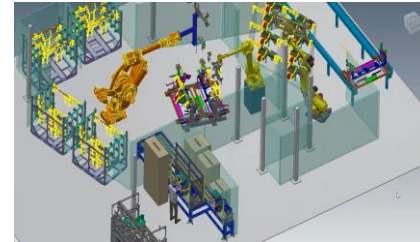
- Truck stopper new system.
- New rollers for massive storage.
- Manipulator for HVAC, IP's, Steering Column and KSK WH.

- **ENERGY CONSUMPTION**

- 100% Lights are LED.
- System to monitor & control (Boiler room&Chiller).
- System to monitor & control Air Compressor Machine.

- **PRODUCTIVITY**

- HVAC-CCB Robot Cell improvement + handler
- Airbag Robot Cell
- Vision Control
- Automatic entrance



Quality Scope

1. PRODUCT CONTROL:

- CLEVER: Specific software developed by SAS, to assure:
- Correspondance of parts
- Traceability
- Tightening (torque + Angle)
- Poka-Yokes.
- Metrology Room. Dimensional analysis of parts



2. ELECTRICAL CONTROL:

- e-Check: Specific system developed by SAS.
- Correct connection of electrical components
- Electrical components functionality
- HVAC air Flow and air vents functionality.

3. END OF LINE MEASUREMENT:

- 100% measurement of 6 functional points of Cockpit. Robot+Camera
- CPK follow up

1.



2.



3.



- **Cockpit Pre logistic Business.** Development and procurement of the packaging components for the Cockpit module. Definition of the Pre-Log model to be implemented.
- **Cockpit Assembly.** Assembly of the Cockpits for VW216 T-Cross and Taigo (ICE Models) and the Urban EV program (SK216 Epiq and VW216 ID-Cross).
- **Delivery to VW Navarra Plant.** Same delivery concept as the current models, adapting the delivery to the MIX demanded by the customer. There will be a transition period during which four different models will coexist: Taigo, T-Cross, Epiq, and ID-Cross.
- **Wireharness Secuencing, KSK and Door Panels WH:**
 - WH KSK Secuencing: Kroschu and Fujikura nominated. Sequencing will follow the current concept.
 - DP Wireharness: Sumitomo nominated. Sequencing will follow the current concept, four models during the coexistence period. Two different models: currently, the process is linked to the production number, while the Urban EV program process is associated with different part numbers.



Thank you.

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