



#2

SAP FIORI
FOR AUTOMOTIVE

by Hicron

Hicron Fiori Vehicle Configurator. **Capabilities & benefits**

HICRON Fiori for Automotive components provides Automotive industry-specific functionalities enabling Vehicle, Parts and Warranty Claims processes to be managed using the latest SAP S/4HANA related technologies, i.e. **SAP FIORI UX** and **Embedded Analytics**. One of Hicron's Apps of the SAP Fiori Suite is Vehicle Configurator.

Business Scenarios

As a FIORI app, Variant Configurator can be used by both:

- **Dealers** – using dedicated SAP FIORI Launchpad as a Dealer Portal enabling direct, secure and controlled access to Importer SAP system
- **Importer Employees** – when managing back-end vehicle-related processes

An exemplary business case for dealers is a mobile scenario, where a dealer's sales employee can use the **Vehicle Configurator** on his phone or tablet and configure the requested vehicle together with a customer when e.g. presenting a demo vehicle or even during a demo car drive. Live pricing of the configured vehicle is presented. The sales employee can seamlessly check if the required configuration (or similar) is available in the dealer pipeline and what is the estimated delivery time. If the required vehicle is available in the pipeline, it can be reserved or ordered; if not, a sales order for a made-to-order scenario can be initiated directly from the Vehicle Configurator app.

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Apart from Dealers, FIORI Vehicle Configurator can be used in all vehicle-related processes where vehicle configuration is being defined, e.g. when ordering requested vehicles from OEM or when changing vehicle configurations, e.g. options and accessories.

Here is the example of vehicle configuration:

Step 1:

The screenshot displays the SAP Fiori Vehicle Configurator interface. The top navigation bar includes the SAP logo, a 'Vehicle Configurator' dropdown menu, and a search icon. Below the navigation bar, a progress indicator shows three steps: '1. Series', '2. Model', and '3. Configuration'. The main content area is titled '1. Series' and features a 'Step 2' button. A search input field labeled 'Series:' contains the text 'KIA'. A dropdown list is open, showing the following car brands: KIA, HYUNDAI, SEAT, VOLKSWAGEN, and AUDI. On the right side of the interface, there is a 'Summary' panel with a 'Create Sales Order' button and a 'Search' button. Below the summary, a 'Details' section contains a table with two columns: 'Characteristic' and 'Price'. The table currently displays 'No data'.

Characteristic	Price
No data	

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Step 2:

Vehicle Configurator

1 Series

2 Model

3 Configuration

3. Configuration

General

Brand: AUDI

Model: A4

Model Code: A41

Model Year: 2019

Grade: A4 Sedan

Engine: --Select Value--

Fuel Type: --Select Value--

Transmission: 1.4 TSI 110 kW

2.0 TFSI 140 kW

Factory Options: 2.0 TFSI 185kW

Local Options:

Wheels: --Select Value--

Exterior Colour: --Select Value--

Interior Colour: --Select Value--

Drive: --Select Value--

Campaign:

Summary

Create Sales Order

Search

A4

35500.00 EUR

Details

Characteristic	Price
Brand	
AUDI	
Model	35.500,00 Euro
A4	
Model Code	
A41	
Model Year	
2019	
Grade	
A4 Sedan	
Fuel Type	
Petrol	
Transmission	
7AT DSG	

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Step 3:

Vehicle Configurator

1 Series 2 Model

3. Configuration

General

Brand: AUDI

Model: A4

Model Code: A41

Model Year: 2019

Grade: A4 Sedan

Engine: 1.4 TSI 110 kW

Fuel Type: Petrol

Transmission: 7AT DSG

Factory Options:

Local Options:

Wheels: --Select Value--

Exterior Colour: --Select Value--

Interior Colour: --Select Value--

Drive: Front Wheels Drive

Campaign:

Search

- ☐ Active Tempomat (ACC) F011
- ☐ Rear View Camera F012
- ☐ Virtual Cockpit TFT 10,25" F013
- ☐ Navi System Plus F014
- ☐ Dynaudio premium audio system F015
- ☐ Panoramic sunroof F016
- ☐ Driver assistance package F017
- ☐ R-Line package F018
- ☐ Sound & Vision package F019
- ☒ LED headlights and LED rear li F020
- ☒ Audi virtual cockpit F021
- ☒ Bang&Olufsen 3D Sound System F022

OK Cancel

Summary

Create Sales Order Search

A4

35500.00 EUR

Details

Characteristic	Price
Brand	
AUDI	
Model	35.500,00 Euro
A4	
Model Code	
A41	
Model Year	
2019	
Grade	
A4 Sedan	
Engine	
1.4 TSI 110 kW	
Fuel Type	
Petrol	
Transmission	
7AT DSG	
Drive	
Front Wheels Drive	

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Step 4:

Vehicle Configurator

[Create Sales Order](#)
[Search](#)

1

2 Model

3 Configuration

3. Configuration

General

Brand: AUDI
Model: A4
Model Code: A41
Model Year: 2019
Grade: A4 Sedan
Engine: 1.4 TSI 110 kW
Fuel Type: Petrol
Transmission: 7AT DSG
Factory Options:

Audi virtual cockpit

Bang&Olufsen 3D Sound System

Local Options:

Business bag

Leather care set

Carrier unit roof racks

Wheels: 19" 225/40/R19
Exterior Colour: Floret Silver, metallic
Interior Colour: Leather
Drive: Front Wheels Drive
Campaign:

Search

Summary

A4
44550.00
EUR

Fuel Type

Petrol

Transmission

7AT DSG

Factory Options

LED headlights and LED rear li

3.700,00 Euro

Factory Options

Audi virtual cockpit

1.000,00 Euro

Factory Options

Bang&Olufsen 3D Sound System

2.000,00 Euro

Local Options

Business bag

500,00 Euro

Local Options

Leather care set

150,00 Euro

Local Options

Carrier unit roof racks

400,00 Euro

Wheels

19" 225/40/R19

Exterior Colour

Floret Silver, metallic

800,00 Euro

Interior Colour

Leather

500,00 Euro

Drive

Front Wheels Drive

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Step 5:

SAP

Vehicle Search

Standard*

Filtered By (4): Brand, Model Code, Grade, Model

Vehicle Details (27)

Change Assignment

<input type="checkbox"/>	Int. Veh. No.	Brand	Vehicle Model	Model Code	Availability	Primary Status	Secondary Status	VIN	Production Date	Planned Delivery Date	Customer	Sales document
<input type="checkbox"/>	0010000794	AUDI	A4	A41	Planned (PD)	Cleared Stock (P620)		VIN_A4_0000000001	01.07.2019	16.10.2019		>
End Customer:												
Vehicle Usage: Retail Sales (RS)												
Vendor: HIC OEM 1 (OEM1)												
<input type="checkbox"/>	0010000795	AUDI	A4	A41	Sold (SO)	Cleared Stock (P620)	PDI Requested (S400)	VIN_A4_0000000002	01.07.2019	16.10.2019	Hic Demo Dealer (DEALER3)	50 >
End Customer:												
Vehicle Usage: Retail Sales (RS)												
Vendor: HIC OEM 1 (OEM1)												
<input type="checkbox"/>	0010000796	AUDI	A4	A41	Invoiced (IV)	Delivered To Customer (P700)	Sales Invoice Created (S500)	VIN_A4_0000000003	01.07.2019	16.10.2019	Hic Demo Dealer (DEALER3)	73 >
End Customer:												
Vehicle Usage: Company Car (CM)												
Vendor: HIC OEM 1 (OEM1)												
<input type="checkbox"/>	0010000797	AUDI	A4	A41	Planned (PD)	Custom Clearance Requested (P610)		VIN_A4_0000000004	01.07.2019	16.10.2019		>
End Customer:												
Vehicle Usage: Retail Sales (RS)												
Vendor: HIC OEM 1 (OEM1)												
<input type="checkbox"/>	0010000798	AUDI	A4	A41	Planned (PD)	Custom Clearance Requested (P610)		VIN_A4_0000000005	01.07.2019	16.10.2019		>
End Customer:												
Vehicle Usage: Retail Sales (RS)												
Vendor: HIC OEM 1 (OEM1)												
<input type="checkbox"/>	0010000799	AUDI	A4	A41	Planned (PD)	Uncleared Stock (P600)		VIN_A4_0000000006	01.07.2019	16.10.2019		>
End Customer:												

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Step 6:

The screenshot displays the Hicron Fiori Vehicle Configurator interface. On the left, the 'Configuration' tab is active, showing a list of vehicle specifications for an Audi A4. The 'General' section includes fields for Brand (AUDI), Model (A4), Model Code (A41), Model Year (2019), Grade (A4 Sedan), Engine (1.4 TSI 110 kW), Fuel Type (Petrol), Transmission (7AT DSG), and various options like 'Audi virtual cockpit' and 'Bang&Olufsen 3D Sound System'. The 'Details' section on the right shows a table with columns for 'Characteristics' and 'Price'. A 'Create Sales Order' dialog box is overlaid on the right side of the screen, containing the following fields:

- Customer: DEALER3
- Cust. Reference: SO/2019/1002
- Requested Deliv.Date: 31.08.2019
- Vehicle Usage: RS Retail Sales
- End Customer:
- Sales Org.: 9010
- Distr. Channel: 10
- Division: V1

At the bottom of the dialog box are 'Execute' and 'Cancel' buttons. The background table shows the following data:

Characteristics	Price
Brand AUDI	
Model A4	
Model Code A41	
Model Year 2019	
Grade A4 Sedan	
Engine 1.4 TSI 110 kW	
Fuel Type Petrol	
Transmission 7AT DSG	
Factory Options LED headlights and LED rear li	3.700,00 Euro
Factory Options Audi virtual cockpit	1.000,00 Euro
	35.500,00 Euro

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Solution Features

- online integration with back-end Variant Configuration master data and dependencies providing the user with default values and ensuring that a chosen configuration is correct and applicable
- online integration with the back-end SAP Vehicle Management System
- online configuration pricing – the user is presented with a pricing structure based on the chosen vehicle configuration
- a chosen configuration can be represented with proper vehicle pictures
- after completing the vehicle configuration, the user is able to quickly find a vehicle matching fully or partially the requested configuration
- if the requested configuration is not available, the user is able to directly create a sales order starting a VMS made-to-order scenario
- responsiveness – can be used on any device (desktop, tablets and mobile phones)
- user friendly interface based on FIORI UX standards

For which companies?

Automotive, Vehicles, Heavy Machinery:

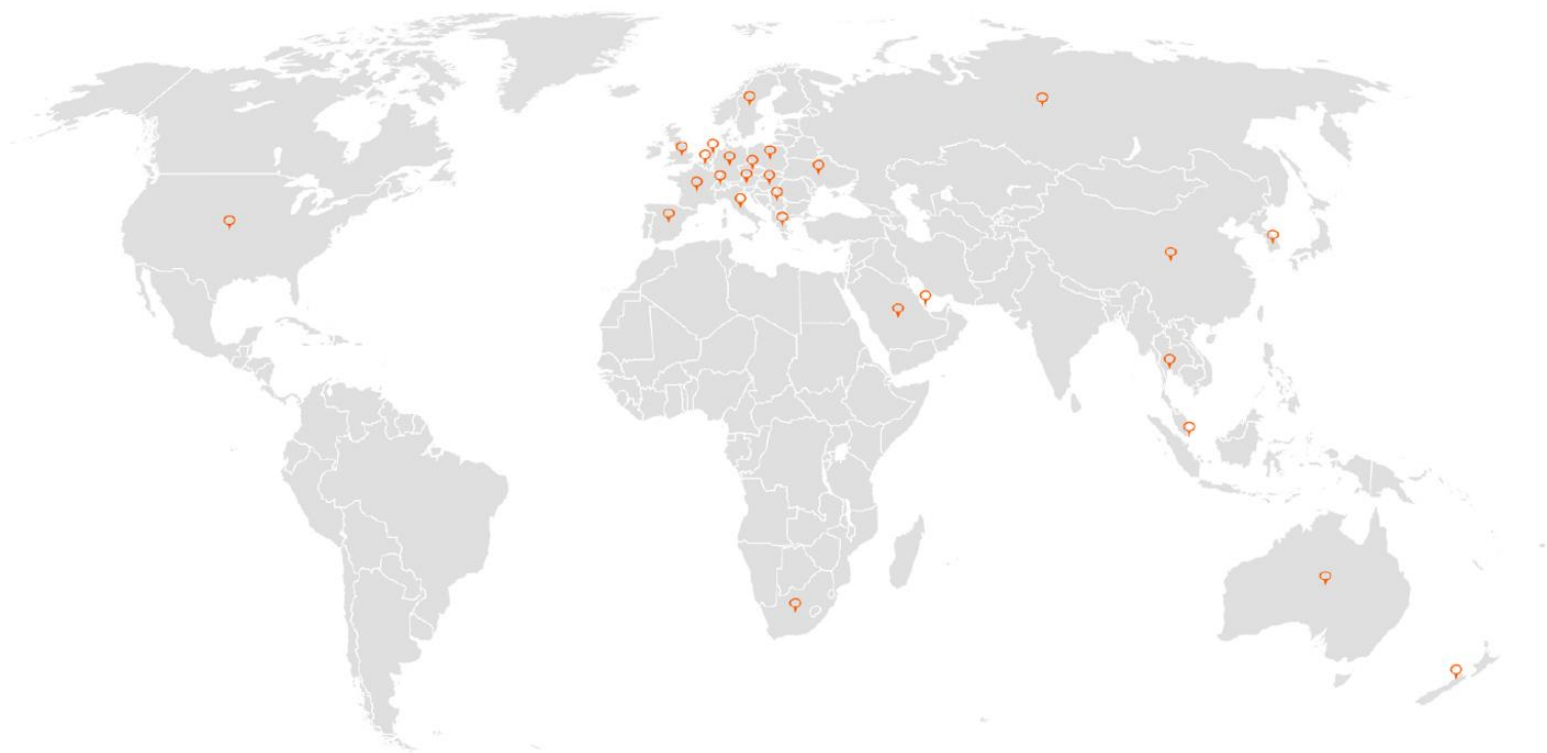
- OEMs
- Importers/Distributors
- National Sales Companies

Technical requirements:

- SAP S/4HANA (or SAP ECC) system with SAP for Automotive components i.e. VMS and/or WTY.

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Check out also in which countries we are supporting our clients:



CONTACT US:

At Hicron we help companies face business challenges. This the way we develop, and it is our passion. Does your company need support in running day-to-day operations? Are you looking for information about available IT tools? Would you like to know more about our experience and projects? Contact us! We will respond as soon as possible.

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