



eCATALOGsolutions

2D & 3D BIM CAD Product configurator for smoke ventilation and fire safety systems

Case study



SOUCHIER relies on CADENAS' eCATALOGsolutions

The initial situation at SOUCHIER

Providing information for customers

The expert for developing and producing naturally looking smoke and heat ventilation systems has seven employees working in the design department and facing a multitude of inquiries: For their building design projects, customers request information on mounting spaces, technical data and how to ensure a feasible product configuration as well as 3D BIM CAD models of products.

An overview of the project



First 2D / 3D BIM CAD configurator for fire safety systems



Generates with an output format many native 3D BIM CAD formats (Nemetschek Allplan, Autodesk Revit, IFC ...)



Convinces with an outstanding price-performance ratio

The complexity of products

SOUCHIER products do not have predefined standard dimensions. Instead, they are individually customized. This is why the design department at SOUCHIER often receives similar customer inquiries. CADENAS' product configurator aims at providing customers with a complete product configuration, precisely down to the millimeter, including motorization and possible versions, while at the same time reducing the workload of the design department.

Time savings

Before introducing the product configurator, SOUCHIER published a few plans on their website, but they could not sufficiently meet the demands and requests of the customers.

- Which dimensions does the product have?
- What kind of configurations are possible?
- Is it possible to get drawings with the necessary dimensions?

The customer requests had to be forwarded to the design department at SOUCHIER, which then created the required CAD drawing.



SOUCHIER'S Product Configurator is the first 2D and 3D configurator on the market for smoke ventilation and fire safety systems. It allows real-life 3D visualization of integrable ventilation products from SOUCHIER in all building or renovation projects.

»» The goal was to save time on both sides. With the configurator, the customer gets the response to his question immediately, while SOUCHIER can concentrate on the more difficult cases due to the reduced amount of inquiries. ««

David Maillart
Manager research and development
SOUCHIER



Implementing the configurator

After checking the offers of different suppliers, SOUCHIER eventually chose CADENAS because of the outstanding price-performance ratio. Since the online configurator was implemented at the end of January 2014, three different products are available: Airlam V2 (ventilation screens for fresh air supply from the external facade), Exubaie and Exubaie V2 (single wing smoke and heat ventilation for the facade). The extension to two further product lines is already being planned: Certilight (naturally looking, two-winged smoke and heat extraction system for roof surfaces) and Ventilight (naturally looking, single winged smoke and heat ventilation system for roof surfaces).

"We started with the facade products, since they are easier. Most inquiries are for Exubaie, hence this product has the greatest impact on our business", David Maillart explains. From a technical point of view, Exubaie is the most import-

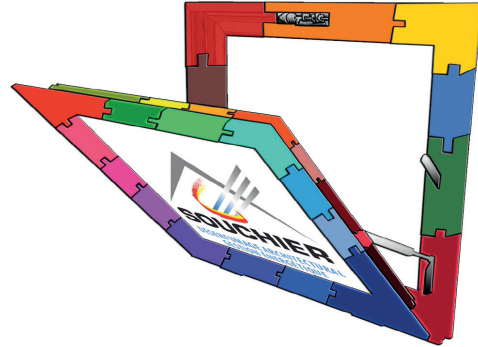
ant application for the design department. Our aim was to reduce the workload of engineers for this product.

When implementing the product configurator, the collected knowledge of the experts from CADENAS and SOUCHIER was necessary to mutually define and integrate configuration rules. Due to many parameters of Exubaie an intensive exchange with Davy Bernhard, project manager at CADENAS, was necessary to finish and examine the product. Everything was successfully implemented after the first examination and evaluation for the product Airlam V2.

The benefits of a product configurator

Avoiding configuration errors

A product can be easily selected from SOUCHIER's portfolio and parameters, dimensions, opening type and angles can be entered. The 2D/3D BIM CAD configurator analyzes and checks the compatibility of the selected elements and immediately shows a 3D view of the configured system. The user friendly interface and the intuitive navigation take the user step by step to the desired configuration.



Compile product – get dimension drawing

On the screen, different kinds of views are available to the user, like a 2D view, a 3D view, an exploded view and many more. Moreover, it is possible to export the CAD drawings into different formats to provide the right smoke ventilation system to decision makers, design offices, design engineers and project managers. All relevant data sheets can also be generated and downloaded as PDF data sheet.

3D plans for architects

Even if most customers of SOUCHIER are still working in 2D, there is an increasing demand for 3D drawings, especially among architects. In addition to the AutoCAD format, the configurator offers many other 3D formats including Nemetschek Allplan, Autodesk Revit, IFC, Solidworks, Autodesk Inventor, CATIA, Solid Edge, Creo, and many more. With the configurator, customers now get a 3D preview of the assembly group. This was not offered by design plans in the past.

»» The configurator has to provide all the information customers need, to check their plans and integration into the draft of the building. This is an indirect specification by SOUCHIER.◀◀

David Maillart
Manager research and development
SOUCHIER



Compared to other suppliers of smoke ventilation solutions the configurator allows us to stand out positively on the market and thus get competitive edge.

» The first impression was very positive. Due to the possibility to visualize the products in 3D and by shifting and turning them from all sides in a simulated reality, the customer gets a complete overview of the product. «

David Maillart

Manager research and development

SOUCHIER



Variables



Souchier - Exubaie V2 OS - OSPI - 1850x1098 - Abattant - Remplissage : 15 kg/m² - Angle : 90 - Mur rideau : A20 - Contact : Avec - Couvre joint : Sans - Rejet eau : Sans - Bavette : Sans - Tapée : Sans

Produit(s) disponible(s): 1

Name	Description	Valeur
OUVERTURE	Sens ouverture	Abattant
MANOEUVRE	Manoeuvre	Ouverture seule pneumatique intéri
H	Hauteur hors-tout	1098.0 mm 420.0 1098.0 2620.0
L	Largeur hors-tout	1850.0 mm 420.0 1850.0 2620.0
REPLISSAGE	Remplissage	15.0 kg/m ²
ANGLE	Ouverture exubaie	33.0 °
OPT1	Mur rideaux	A20
OPT2	Contacts de position	Avec
OPT3	Couvre joint	Sans
OPT4	Rejet d'eau	Sans
OPT5	Bavette	Sans
OPT6	Avec tapée	Sans

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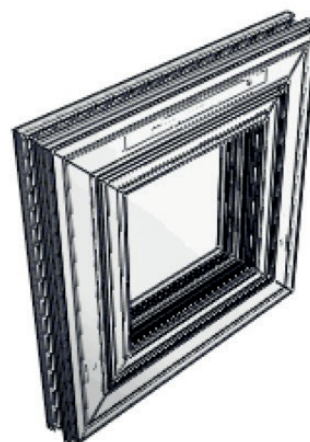
Aperçu du modèle CAO

Actions

Mode visionneuse 3D

Actualiser l'aperçu

L'aperçu généré correspond à un modèle et peut être différent de votre composant sélectionné.



Company descriptions

SOUCHIER

SOUCHIER is the expert for developing and producing smoke and heat ventilation systems.

The product range includes ventilation and shading solutions.

www.souchier.fr



CADENAS GmbH

CADENAS is a leading software developer in the areas of Strategic Parts Management and parts reduction (PART-solutions), as well as Electronic Product Catalogs (eCATALOGsolutions). Included are also the numerous innovative search functions, like the Geometric Similarity Search GEOsearch, which is offered as alternative or supplement to the traditionally classified parts master under the term of intelligent finding. With its customized software solutions, the company acts as a link between the component manufacturers with their products and the purchasers. In doing so, the company serves more than 10,000 customers in 40 countries.

With its 300 employees at 17 international subsidiaries, the name CADENAS (Hispanic: process chains) has been standing for success, creativity, support and process optimization since 1992.

www.cadenas.de

