### A TEAM OF EXPERTS



## MÉTAL SARTIGAN OPTIMIZED STEEL BUILDING

A TRUSTED NAME



































Founded in 1989 by Raphaël Couture, Métal Sartigan is now run by his three sons, who are committed to carrying on the company's legacy and the family name. For the past 30 years, Métal Sartigan has drawn its strength and leadership from its culture of ingenuity, hard work, integrity and pride to produce prefabricated steel buildings.

In 2012, the company was looking to innovate, and the Couture brothers decided to develop their own pitched **roof building system called ACERO**. Factory-prefabricated for ease of installation, this new assembly offers a complete, customized solution for a wide range of markets.

In 2015, the idea for a new project was born: a **flat roof building system**. In 2016, Métal Sartigan signed an agreement with the École Polytechnique de Montréal and the Université de Sherbrooke to carry out various gravity, diaphragm and crushing tests on the **MS-100 steel decking** made in our newly built factory.

The building system name, **PLAVA** (from the French Plat et Avantages, meaning "flat and advantages"), was officially registered in 2022. This will let us continue to develop this **new standard flat roof market** over time.

We now offer two comprehensive, scalable solutions that you can choose between to make the project of your dreams a reality, be it an aeronautical, commercial, forestry, industrial, institutional or specialized building.

# PREFABRICATED BY OUR PASSIONATE TEAM, EASY AND QUICK TO ASSEMBLE...









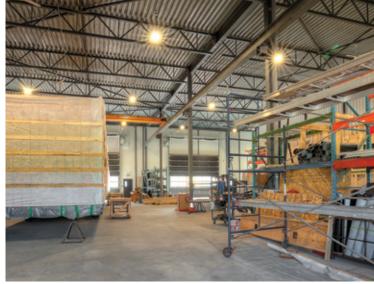
#### PLAVA STEEL BUILDINGS: A PRACTICAL AND INNOVATIVE APPROACH

#### The PLAVA steel building system stands apart from the competition:

- It has fewer components, giving you substantial savings on manufacturing costs.
- Our comprehensive solutions include the building envelope, frame, insulation, doors, windows and a range of additional accessories.
- Our buildings provide superior energy efficiency.
- Our structures are 100% steel, non-flammable, recyclable, energy-efficient and unparalleled in durability, and require minimal maintenance.
- The PLAVA system provides the freedom to choose the design, architectural features and materials you want.
- Our steel siding is strong, high-performance and suitable for extreme weather conditions.

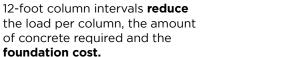








Our **scalable buildings** can be extended on all four sides, so your building can grow to fit your needs.





Our **full-service company** ensures the quality of the entire PLAVA steel building system, from design to manufacturing to installation.



The walls are sealed off to keep dust from accumulating inside the building.



Métal Sartigan's exclusive Ultra White interior siding creates a **bright and impressive interior** with unmatched reflective efficiency.



**Industrial accessories** can be added without requiring structural modifications (bridge cranes, jib cranes, awnings, mezzanines, stairs, etc.).



Our MS-100 steel decking allows the joists to be spaced 12 feet apart so you can optimize that space for storage.



Factory precision pre-drilled components make installation **quick and simple** so your building is ready to use sooner



We offer a limited wall-to-wall warranty of 5 years for the building and 25 years for the exterior siding.

#### **EXCLUSIVE TO NORTH AMERICA**

## AN INNOVATION CUSTOMIZED TO MEET YOUR NEEDS

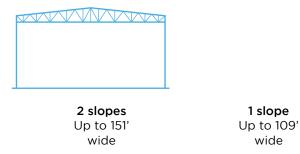
#### **AVAILABLE SHAPES**

Flat roof

No width

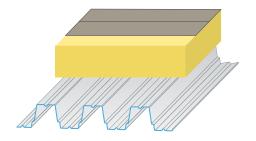
limit

Choose between three roof shape options designed by our engineers and pre-established to optimize the look of your PLAVA steel building.

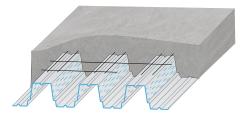


#### **AVAILABLE ROOF DECKS**

Your PLAVA steel building can be constructed with the following steel roof decks.



Standard MS-100 deck Not embossed



Composite MS-100 deck Embossed for concrete

#### **WALL ASSEMBLY**

#### ROOF -

- Elastomeric membrane (not supplied by Métal Sartigan)
- Rigid insulation (not supplied by Métal Sartigan)
- MS-100 roof deck
- Spandrel (or edge) beams
- Steel beams

#### **WALLS**

- Exterior steel siding, 26-gauge, pre-drilled
- Galvanized purlins, pre-drilled
- Wool batt insulation offering a minimum R-factor of R-28
- Thermal break
- Pre-drilled and sealed (vapour barrier)
   28-gauge interior siding

#### **OPTIONS**

- Crane rails and beams
- Mezzanine



