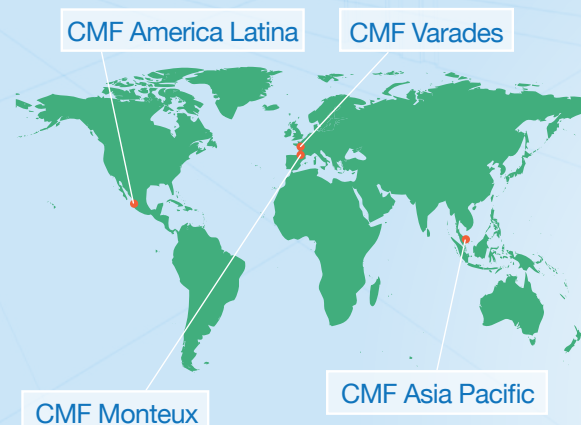


**Distributors and
partners of CMF
GROUPE will assist
you anywhere
in the world**



CMF references

Over **350 000 m²**
of experience in innovative technical solutions to the benefits of research
(INRA, CIRAD, CTIFL, CNRS, international seeds companies ...).

1 977 m²

MEXICO

Biotechnology and Biosafety research greenhouses.
International Maize and Wheat Improvement research Center

One fully equipped research complex consisting
of 21 separate compartments with 2 distribution
corridors and 1 entrance cell. Safety level BSL1.

One closed Biosafety greenhouse (without
any natural ventilation) with 5 separate
compartments. Safety level BSL2.



5 240 m²

FRANCE

PhénoField® ARVALIS platform

8 mobile greenhouses of 650 m² each.
8 modules moving on rails (137 m long).
Automatic movement and running.

- Selection of drought-resistant plants.
- To bring under control the pluviometry
in quantity and interval to study water deficit.
- High throughput phenotyping network,
non-destructive measuring using imagery,
hyperspectral cameras.



B.P. 10 001 - Varades
44370 LOIREAUXENCE
FRANCE

T. 33 (0)2 40 98 34 00
F. 33 (0)2 40 98 34 94
mail@cmf-groupe.com

www.cmf-groupe.com



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Research Greenhouses

Greenhouse Construction & Equipment

*Expert
in Innovative
Technical Solutions*



Design, Engineering, Manufacturing, Construction, Maintenance



Our expertize from the start to the implementation of your project

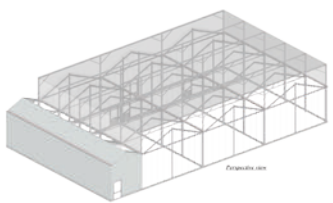
A comprehensive process : From design to handing over the keys



Build your research facility

STUDY

INNOVATION
CALCULATION
DESIGN
ENGINEERING



MANUFACTURE

MACHINE
ASSEMBLY
CONTROL
LOGISTICS



BUILD

PLANNING
METHOD
RECEPTION
TRAINING

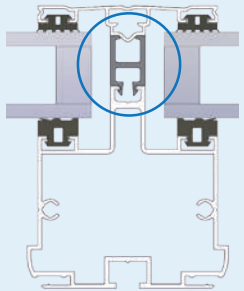


INNOVATION

CMF's technical solution applied to research.

In research greenhouses, climate management is essential. The thermal performance and the level of air tightness of our Eco Klima range of aluminum profiles designed to avoid thermal bridges find the perfect application.

- **Optimized thermal performance**
Eco Klima profile : $U_w = 1.2 \text{ W/m} \cdot \text{K}$
– glass size : 1.80 x 1.00 m with low emission double glazing + argon.
- **Improved air tightness :**
CMF is **the first** greenhouses manufacturer to obtain safety and tightness European certifications.



The opinion of an expert



« The technical, biological and environmental stakes associated with a research greenhouse are very high, as is its level of complexity, which is also much higher than that of a commercial greenhouse.

The more numerous interactions between the various parameters contributing to the climate can even prove conflicting.

We go into every detail of the customers' list of specifications with their teams (researchers, project managers, investors...) to find and sometimes invent the optimal technical solution. The knowledge of our staff with agronomic, thermal skills and open-mindedness are very precious to walk "the long path of conception" with the customer.

From the very start, we consider the servicing and maintenance of the facility together with the customers' own technical staff and organize their tailor-designed training.»

FRANÇOIS LUMMERT,
30-year experience in research greenhouses.

Quality of finish and a lot of attention to details, expressions of CMF's technical know how.



Partition walls



Irrigation and water treatment



Cooling system



Insect-proof netting



Benches



Outdoor screens



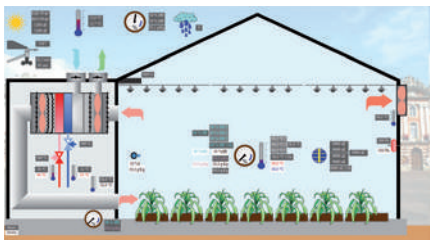
Artificial lighting



Air treatment



Fog system



Global software monitoring