

## METAL WORKING & ASSEMBLY

In order to combine efficient designs and sustainable manufacturing processes, **CRM Group** has also developed outstanding competences in metal working and assembly. The feasibility and the optimisation of forming a metallic or composite product can be checked on a wide range of shaping and machining tools, able to produce full-size prototypes for testing by the customer.

These tools & software also enable providing assistance in the development of dedicated production tools.



Assembling: welding, bolting, adhesive bounding, clinching, ...



Forming: bending, roll forming, deep drawing, punching, ...



*Steel Solutions, Smart Decision*

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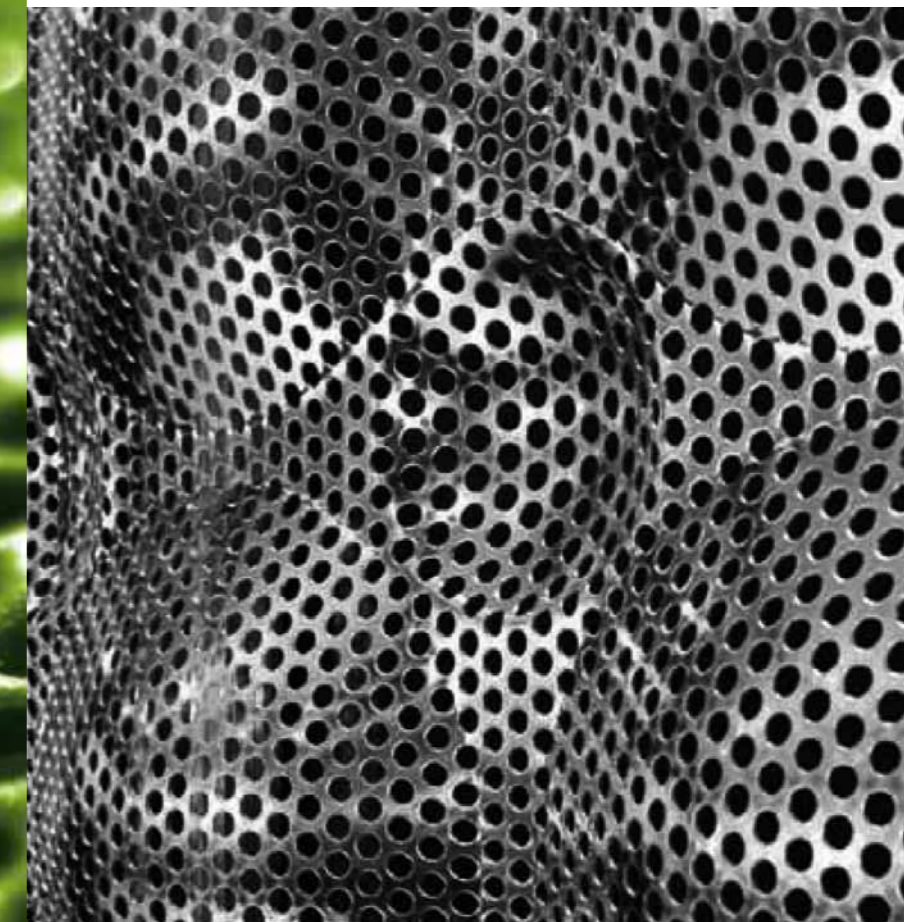
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# CRM GROUP

*Metal Applications &  
Construction Solutions*



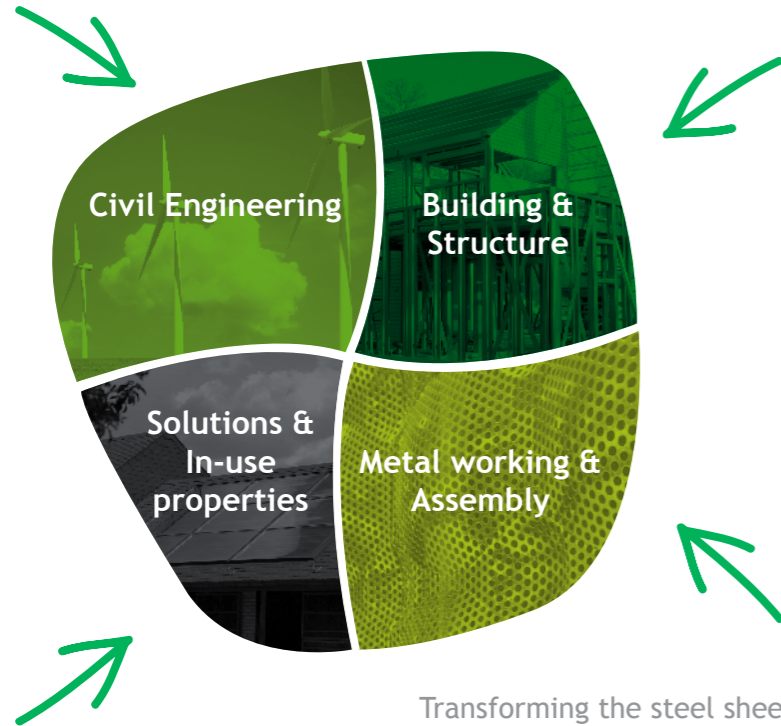
*Steel Solutions, Smart Decision*

In the field of **Metal Applications & Construction Solutions**, **CRM Group** is active in developing advanced metallic solutions in a wide range of applications, including civil engineering and residential or industrial construction

- Road safety infrastructure (safety barriers, lighting and signage poles)
- Wind turbines
- Racking systems

Structural solutions for residential, tertiary or industrial buildings

- Floors
- Trusses
- Envelopes: facades & roofing



- Energy-efficient buildings
- Fire characteristics
- Corrosion resistance
- Fatigue & durability analysis

Transforming the steel sheet into a functional component:

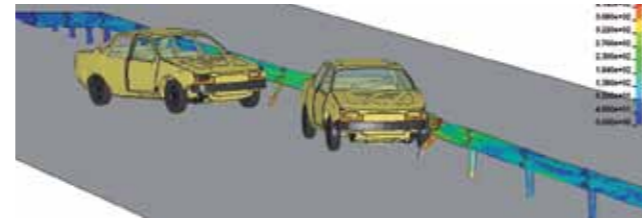
- Deep drawing
- Roll forming
- Bending
- Punching
- Assembly

## CIVIL ENGINEERING

In civil engineering, **CRM Group** promotes the best use of steel (especially high performance grades) and innovative coatings. Activities cover the development of dedicated simulation and testing tools, involve frequent technical collaborations with end-customers and require some participation to the framing of worldwide, European and national regulations.

### Road equipments

Safety barriers, Lighting poles, Steel bridge deck, ...



### Energy production & transportation

Wind turbines, Power line pylons, Solar farms, ...



### Industrial storage

Racking system, Water tanks, Silos, ...



## BUILDING & SOLUTIONS

CRM Group designs, models and validates innovative structural solutions for residential, tertiary or industrial buildings. These solutions are based on a multi-material approach (e.g. composite panels associating light-gauge steel panels or metallic sections with mineral and/or organic insulation materials), keeping a practical view on implementation and final functionalities.

Our expertise also covers building physics (energy efficiency, phase-change materials, integration of photovoltaic, fire resistance, ventilation, noise, ...).

