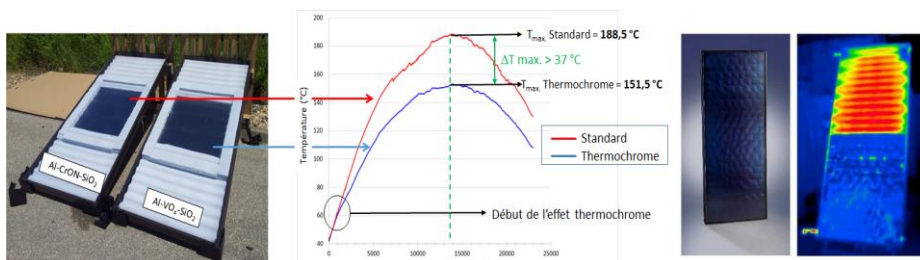


## Our skills

# Thermal and optical regulation of thin layers (thermochromicity)



### YOUR NEEDS

- Innovate with a new material
- Determine the best process for manufacturing your material
- Optimize your manufacturing parameters
- Upscale / assemble TRLs, manufacture prototypes
- Maintain or develop your skills
- Characterize and evaluate your coatings

### RELATED SKILLS

- Surfaces functionalization and development
- Thin film deposition
- Nanoparticles synthesis
- Electrical and optical measurements of thin films and devices
- Structure and microstructure characterization of samples:
  - ✓ Electron microscopy (SEM, TEM)
  - ✓ X-ray diffraction
  - ✓ Chemical quantification (XPS, SIMS, EDS, etc.)

### OUR SOLUTIONS

- Availability of our skills and means of depositing and characterizing to support you in your innovation process
- Providing a semi-industrial enclosure capable of depositing A4 format films.
- Full characterization (structural, chemical, physical)
- Management of R&D projects and industrialization of innovative solutions

### OUR REFERENCES




### KEYWORDS

Spectroscopy, FTIR, thin film characterization, vanadium, FLIR thermal camera, thermal regulation, solar, perovskite, thin films, PVD, sputtering, solar thermal, optics, thermochromicity


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