



## Competences Offer

Organisation	MICEL
Adress	3 allée Léonard de Vinci - 42400 SAINT CHAMOND - FRANCE
Type of Partner	Company (SME until 2016)
Website	<a href="http://www.micel.co.uk">http://www.micel.co.uk</a>

Contact person	Guillaume D'ABBUNDO
Email	dabbundo@micel.fr
Phone	+33477293976
Position	R&D Project Manager

### Topics of interest (Energy):

- EE-01-2017 : Waste heat recovery from urban facilities and re-use to increase energy efficiency of district or individual heating and cooling systems
- EE-17-2016/2017 : Valorisation of waste heat in industrial systems
- LCE-07-2016/2017 : Developing the next generation technologies of renewable electricity and heating/cooling
- LCE-09-2016 : Increasing the competitiveness of the EU PV manufacturing industry
- LCE-10-2017 : Reducing the cost of PV electricity

### Description of the organisation

MICEL is specialized in designing, developing and converting of flexible insulative materials, technical films and adhesives for several industries (transport, nuclear energy, renewable energy, energy storage...).

Previous experience in EU funded projects : FP7-609046

### Competences offer :

MICEL offers its expertise and technical resources to participate in the development of innovative flexible solutions, interfacial films or surface functionalization within a collaborative project.

Our company offers a complete technical assistance, a wide range of converting processes (slitting, sheeting, laminating, forming, machining, US welding, surface treatment...) and can carry out the development of innovative flexible solutions. Our expertise covers the following properties : electrical and thermal insulation, mechanical and optical properties, surface treatment, barrier coating (O<sub>2</sub>, H<sub>2</sub>O), adhesion/bonding).

Our complete equipment capabilities and know-how enable us to develop new products through all the technical process involved:

- Prototyping of technical films, flexible substrates and insulatives (hot press, laminating, pilot line for lamination-enduction),
- Materials aging process (climatic chamber, oven),
- Chemical (Infra-red spectrophotometer), mechanical (tensile, adhesion strengths) optical (UVs), and permeability (using oxygen and water vapor) tests.