

## Our vision ambition \*\*Energies\*\*

Our vision is to be a major player in the design and integration of new technologies in the energy and industrial processes sectors to support our customers in their digital transformation and energy transition.

Our values are trust and honesty, an entrepreneurial spirit based on sharing success and, above all, a sense of ethics.

Our ambition is to work alongside our customers, integrating their industrial processes, designing and optimising their infrastructures, across all energy technologies.



Today, our business activities and expertise are well known and recognised, particularly in electrical engineering, automation and information processing, and it is with this same ambition that MK Energies designs and implements high added-value global solutions that meet its customers' performance, reliability and safety requirements.

**Jack and Johan Manka** 



#### **CUSTOMER PROXIMITY**

Over the years, MK Energies has established itself in **various strategic areas to cover the regional industrial fabric**, enabling our teams to become even closer to their customers, providing a more responsive and dynamic **quality of service**. Today, with its **12 locations** in Arras, Cernay-lès-Reims, Dieppe, Dunkerque, Evreux, Lille, Saint-Dizier, Saint-Léonard, Saint-Quentin, Valenciennes, Vervins and Italy, MK Energies broadly covers the whole of northern France.

#### A MIX OF REGIONAL OFFERINGS AND EXPERTISE

Agile and responsive, **MK Energies branches work as part of a network,** ideally located close to their customers' industrial production sites. Its mix of **regional offerings and expertise means that MK Energies can produce innovative, relevant and customised solutions** to meet the specific needs of each customer.

#### **SHARING BEST PRACTICE**

Its market-proven expertise means that MK Energies can capitalise on multidisciplinary and multi-sector feedback to learn from and share tried and tested methods and best practice. Its teams act accordingly with rigour and professionalism at every stage of a project: management, study, design, purchasing and implementation.

## MK Energies at a glance!

# Valenciennes St-Quentin Cernay-lès-Reims

#### **Our certifications**



Since 2015, MK Energies has been certified MASE, a system for managing health, safety and the environment



**Bronze** ecoVadis certification



MGTI.5 - Moyen Gros Tertiaire Industrie Class 5 (Middle Management in Industrial and Service Sectors): from 50 to 250 operatives

AUT - Automation option ET - Study and Design option Qualif. code: MGTI.5 AUT ET



PIRVE2: Electric Vehicle Charging Infrastructure Level 2 Training



years in operation



€45 million turnover



200 employees





1,500 completed projects





## Local Expertise



#### Integration of solutions

- Turnkey MV, LV, automatism and instrumentation
- Controlling your environment

#### **MVILV** distribution

- Turnkev
- Customer support
- Design, consultancy, modelling and integration of MV/LV technical solutions
- Calculations and dimensioning
- Changing neutral systems IT > TN
- Adaptation to space and reuse constraints
- Implementation and commissioning
- Manufacture of MV accessories and dielectric testing
- All-brand expertise (Siemens, Schneider, Ormazabal)
- Substation rewamping (rapid interventions)



#### **Support** for your projects

- Assistance in organising technical shutdowns
- Equipment renewal plans and budgets
- Technical advice and functional analyses
- Knowledge of your processes for optimum support
- Energy Savings Certificates (C2E)
- Recommendations and eligibility detection
- Administrative support

Implementation

#### Before





#### Refurbishment of PLC cabinets

- Surveys of existing equipment (with or without drawings)
- Electrical or Autocad drawings
- On-site cabling
- Wire-to-wire testing of equipment

#### **Processes**

- Turnkey
- Assistance with functional analysis and engineering
- Definition and implementation of ASI, Profibus, Profinet and fibre optic networks
- Choice of equipment within/outside ATEX areas
- Design and renovation of process workshops (control-command and automation)
- Communicating motor starters
- Pneumatic systems and tubing
- Design of complete workshops: automation, instrumentation, speed variation
- Renovation of process lines
- Revamping of control-command cabinets, PLCs and HMIs





## Our

## Local Expertise



#### Responsiveness & availability

Management of business assets

Reactivity, flexibility and proximity in safety with qualified personnel

Solutions offered with control of suppliers and partners

On-call duty and additional electrical and instrumentation personnel

Day-to-day support: MV, LV, automation... Mastery of industrial constraints (safety, operating procedures, etc.)



- Access control and video surveillance
- Integration of fire safety systems (Siemens, Chubb, Def)
- Definition of IT racks
- Fibre and copper cabling and acceptance testing
- Organisation and planning of operations
- Secure, redundant power supply for data centres

#### Maintenance services

- Audits and measurements (capacitor banks, insulation fault detection, etc.)
- Maintenance of MV/LV substations
- MV/LV maintenance levels 1 to 4
- Testing LV circuit breakers
- Oil analysis
- Lighting contracts and equipment management

#### Contract for electrical work

- Day-to-day management of the work
  - Process wiring modification
    - ATEX instrumentation
- Breakdown and repair service
- Lighting (equipment monitoring)
  - Search for insulation faults



### Knowledge & control of your environment (SEVESO)

 Work on SEVESO sites, supply areas, ATEX with level 1 or 2 qualified personnel

ATEX design and implementation know-how

Stainless steel instrumentation and tubing

QES procedures are in our DNA, concurrent work



#### **Electric vehicles**

- Advice on the installation of recharging stations in industrial environments
- On-site integration (power supply, protection, personal safety)
- Configuration and commissioning



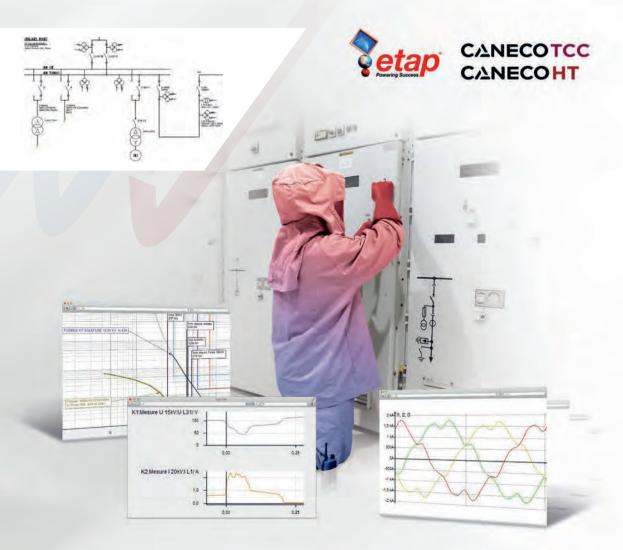
## **Electrical engineering**

#### Consulting & engineering

- Master plans and general orientation
- Availability of facilities
- Technical advice, cells. LV neutral system...
- General audit of facilities
- Analysis of malfunctions

#### Studies & design

- Functional analysis and redundancy
- Study and control of selectivity
- Stability studies
- ✓ IEC61850 communication
- Arcflash study
- Equipment definition and layout



#### Connected IV distribution

- Definition as per IEC61439
- Arcflash detection
- MID and ISO50001 energy metering
- Intelligent motor starters (Simocode, etc.)

#### Training & improving customer skills

- Start-up assistance
- Cell operation
- Operating protection relays
- Management and operation of generating plants
- Customised training

#### Electricity production

- Synchronisation and coupling cabinets
- Machine excitation and control cabinets
- Load sharing (coupled and islanded)
- Decoupling protection and Operational Information Exchange System

#### Monitoring and control of HV/MV substations

- Overall design of units
  - General
  - Electricity Transport Network input
  - → HV/MV transformer
- Suggested improvement (differential protection)
- Configuration of voltage regulators





## **Electrical engineering**



#### **Implementation**

- Installation of MV cells
- Manufacture of MV connectors
- IEC61850 and MODBUS network integration on site
- Feedback to plant supervisor

#### **SIEMENS**

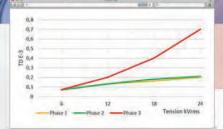
Siemens NX PLUS C cell fitter

#### Measurements & diagnostics

- LV and MV loads and harmonics
  - Choice of compensation solution
  - Active and passive filtering
- Appraisal of MV cables (delta tangent)
- Diagnostics for transformers and rotating machines
  - Delta tangent
  - Partial discharges
  - Sweep Frequency (SFRA)

#### Tests

- Checks before the inspection body (earth, circuit-breaker settings, etc.)
- Configuration and testing of all makes of protection relays
- Qualification of protection plans by actual testing
- VLF dielectric tests



#### Maintenance levels 1 to 4

- MV cell maintenance
- MV/LV and HV/MV transformers
- Maintenance and testing of LV circuit breakers
- HV equipment

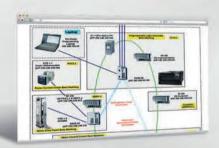
## **Automation** & processes

#### Consulting & engineering

- Definition of solutions according to process requirements:
  - Choice of manufacturers
  - Redundancy
  - Network topology
- Obsolescence audit
- Functional analysis
- Creation of development standards

#### Studies & design

- Functional analysis
- Definition and choice of equipment
- PLC and supervision development
- Drafting the operator manual
- Test procedures (FAT, SAT)



#### Renovation of systems

- Audit of facilities
- Exhaustive surveys of existing facilities
- Reverse engineering and intervention on obsolete PLCs
- Architecture optimisation
- Provision of new functionalities
- Replacing systems without stopping production
- Switchover planning and fallback procedures

#### Multi-system developments







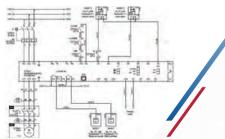


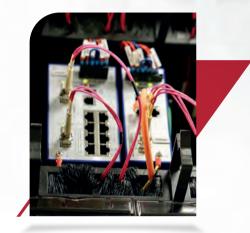












#### Networks & systems

- Network, systems and security audit
- System and network supervision
- Virtualisation and backup solutions
- Business continuity and recovery
- Cyber security solutions
- Remote connection and remote maintenance

#### Connected industrial objects

- Object definition and integration (energy metering, temperature, on/off information)
- Wireless network coverage audit
- Network deployment
- Installation and configuration, server, antennas



## **Automation** & processes



#### Weighing systems

- Equipment definition
- Turnkey scales and retrofits (mechanics, sensors, acquisition, processing)
- Static and dynamic weighing
- Processing in the PLC (jump errors, setting, etc.)
- Calibration of scales



#### Process & machine safety

- Definition of architecture and hardware (SIL level, etc.)
  - Self-control relay
  - Automatic safety systems
- Analysis of security functions
- Validation of HGV safety levels (SISTEMA)
- Development
- Monitoring and logging

SISTEMA



#### Testing & commissioning

- Platform creation (FAT)
- Test procedures
- Wire-to-wire tests
- Instrument calibration
- Validation of sequences



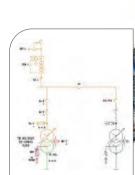


## Some of our achievements

#### **Plant power supply**

#### **Biofuels**

- Construction of a new HV substation to supply the plant with 40 MVA power via 2 redundant transformer bavs
- Project content:
  - Civil engineering
  - HV part
  - MV part
  - Integration into the factory network





#### Renovation of HV/LV sections

#### **Food industry**

- Renovation of 2 x 63/20 kV 36 MVA transformer units
  - Differential protection
  - Voltage regulation
  - ✓ IEC61850 supervision

## **Replacement HV** transformer **Paper**

- Replacement of a 90 kV/20 kV
  - Replacement of the transformer and switch from 15 kV to 20 kV
  - Integration of 20 kV cells
  - Installation of transformer differential protection
  - Modification of the settings of other transformers following the switch from 15 to 20 kV
  - Replacing connections
  - Testing and commissioning

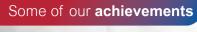
#### HV/MV substation maintenance

#### **Biofuels**

- Drawing up a maintenance plan
- Maintenance of 63 kV equipment
- Diagnosis of 63 kV transformers
- On-load tap changer maintenance
- Protection relay tests
- Diagnosis of MV cables









## High availability MV/LV distribution

#### **Pharmaceutical glass**

- 3 Enedis 20 kV inputs
- 2 x 1600 kVA/20 kV generators
- 7 MV substations, 65 cells
- 7 HV/LV distribution transformers
- 6 heating transformers
- 65 SEPAM communicating IEC61850 protocol





#### **Energy recovery**

- Construction of an incineration unit generating 7.2 MW of electricity fed into the Enedis network
- Supply and installation of the MV panel
- MV/LV design and studies
- Worksite implementation
- Programming the protection relays
- Dielectric testing of HV links
- Testing and commissioning

### **Food industry**

- Turnkey construction of a 10 MW cogeneration unit for injection into the Enedis network and steam resale



#### **Airport**

- Turnkey installation of 2 MV/LV substations to replace generator sets
- Studies and design according to standards
- Nocturnal testing and switching





#### Integration of turbo-generators

#### **Food industry**

- Supply and integration of a 20 MW turbo-alternator and HV and LV electrical distribution
- 13 LVMDP

## Regulation and control of turbo-alternators



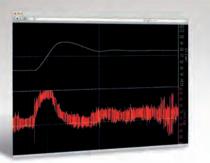






COURANT INDUCTEUR







#### **Food industry**

- Renovation of protection and excitation for three 10 MVA machines
- Block differential protection
- Parameter setting and commissioning of excitations
- Start-up assistance





#### Morocco

✓ Integration of a 4<sup>th</sup> turbo-alternator and increase from 5.5 kV to 22 kV

Pre-study and technical advice

 Control and regulation cabinet for the power station



#### **Ivory Coast**

- Load sharing





#### **Delivery substation** replacement

#### **Food industry**

- Installation of a Schneider RM6 watertight substation
- Replacement of a transformer and the main LVMDP
- Testing and commissioning

#### **Chemistry**

 Replacement of a Vercors substation with a Siemens watertight solution

 Loop feeders, general protection, 4 transformer feeders



#### Cement

- Replacement of 20 KV and 5.5 KV MV cells
  - ✓ Day 1: removal/reinstallation
  - Day 2: power connection
  - Day 3: connecting controls, housing
  - Day 4: testing/commissioning
  - Day 5: acceptance by the inspection office (Approval Without Comment)



#### Replacement of LVMDP and MCCs



#### Glass

- Replacement of 2 1600 kVA LVMDP
- Service index 333
- Bar ducts
- Changing neutral systems (IT > IN)
- Reagent compensation

#### **Airport**

- Replacement of 2 1000 kVA transformers and LVMDP LVMDP 3200 A form 4b, service index 333 ■ 2000 A bar ducts 2 inlets, 1 coupling, 50 outlets



#### Health

- Renovation of LVMDP following an increase in transformer power
- On-site surveys and choice of equipment
- Replacement of the LVMDP in a weekend

#### Testing, commissioning & maintenance

#### **Commissioning** of a delivery substation

#### Wind

- Setting the protection relays
- Support to Enedis for testing
- Operational Information Exchange System: information feedback tests
- Dielectric testing of HV and delta tangent links
- Detailed commissioning report





NF C 13-100 relay revamping and generator protection

#### **Hydropower**

- Definition of SEPAM S48 E23 and G40 protection relays
- Transfer of existing settings and diagrams
- ✓ Integration into 80's chassis
- Supervision feedback (MODBUS TCP)
- Testing and commissioning

#### Diagnosis of a 12.5 MVA block assembly in a power plant

#### **Food industry**

- 5.5 kV alternator and rotating diode exciter
  - Polarisation index
  - Delta tangent
  - Partial discharges
- 5.5 kV/20 kV transformer
  - Transformer ratio, short-circuit impedance
  - SFRA
- Delta tangent measurement on MV cables



#### 170 MVA transformer commissioning

#### Transmission network, for a manufacturer

- Initial transformer measurements
  - Tank and auxiliary isolation
  - Delta tangent and dissipation factor for bushings
  - Sweep Frequency (SFRA)

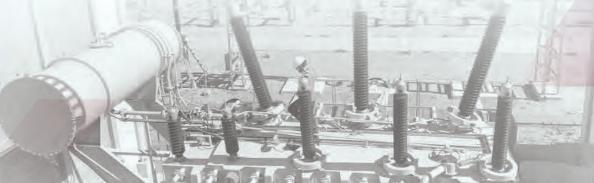
- Transformer safety tests
- Bucholz, RS2001, valves
- **▼** Thermostat
- Auxiliaries
  - Oil circulation indicators
  - Pump shutdown



#### **Food industry**

- Oil sampling on 9 MV/LV transformers
- Maintenance levels 1 to 4
  - 13 MV circuit breakers
  - 8 HV fuse links
  - 2 MV switches and 1 primary voltage cell
  - 40 LV circuit breakers with control unit tests
- Testing 21 protection relays
- Replacing MV fuses
- Replacement of 2 MX coils following maintenance





#### **Siemens** TIA Portal

#### Seamless renovation of a material preparation workshop

#### **Glass**

- 150 motors, 22 products, 8 static scales, 3 dosing belts
- ▼TIA Portal V15.1
- WinCC pro supervision with operator order traceability
- PC and industrial tablet access on Webnavigator
- GSM alarm reporting (OPC server)
- Dynamic and static weighing (SIWAREX/SCAIME) weighing cards and encoder)
- Revenue management
- Self-healing Profinet ring (MRP)
- Redundant Hirschmann supervision ring (MRP)





#### Construction of a grinding plant for a pellet factory

#### **Energy and the environment**

- ▼TIA Portal V15.1 and WinCC pro supervision
- 70 smart motor starters (Simocode, ABB drives)
- 350 instruments
- Level and intensity control of grinding motors
- Preventive maintenance report
- Workshop energy management

#### **Control** of a winding bench

#### **Metallurgy**

- Control of steel wire winding with torque limitation
- Wire positioning by hydraulic cylinder with proportional distributor
- Drives using Profinet-controlled DC drives
- Siemens S7-1500TF safety controller
- Renovation of the HMI



#### Control-command of a new biomass feedstock unit

#### **Energy**

- Creation of a new architecture with
  - 1 S7-400 PLC running PCS7 V9.0 SP3
  - ET200Sp remote inputs/outputs
  - Communicating motor starters
- Use of the standard APL library
- Regulation of silo extractions
- Communication with weighing systems

#### Control-command of compressor equipment

#### Cement

- Management of 7 ALTAS COPCO compressors
- Balancing running times
- Timing of start-ups
- Building air temperature control
- Integration of an S7-417 PLC in the PCS7 V8.1 multiproject client
- CANopen communication



#### Replacement and supervision of general plant protection 50 MW

#### Glass

- PCS7 V5.0 under Windows NT
- Equipment definition and programming
- GSD integration for new PROFIBUS exchanges
- Communication with factory load shedding and back-up system
- Response protocol and fallback in the event of failure
- Virtualisation and platform testing

### **Schneider PES**

#### **Wonderware** Aveva



#### Truck loading unit, driver identification, traceability

#### Cement

- Addition of M340, M540 and M580 PLCs and CITECT client under PES
- Hardware and network configuration statement
- Programming truck loading lines
- Creating views in CITECT and animation
- Communication with PRECIA weighing system
- Driver identification and traceability on customer ERP

#### Installing a Galaxy on a new unit

#### **Biofuels**

- AVEVA System Platform
- Galaxy connected to another site for real-time replication of historical data
- Creation of Global Objects specific to each type of equipment (standardisation)
- Deployment on supervision workstations
- Connection to different PLC ranges (M340, S7-400)
- Ergonomic animation
- Energy management by daily report



## **Schneider** Unity

#### Control-command of a new composition and loading workshop

#### **Glass**

- Upgrading existing systems (Concept to Unity)
- Creation of factory programming guidelines (blocks and faceplates)
- M340 PLC, Unity development, Vijeo and RSView supervision (Rockwell)
- Weighing dynamics in the PLC, acquisition via MS100 weighing DNA electronics
- Batch management and oven calls
- Regulation of the material feed into the oven
- 100% hard-wired degraded mode design (excluding PLC)

#### Virtualisation and upgrade of a supervision system

#### **Biofuels**

- Aveva Intouch
- Setting up Veeambackup and testing replication
- Setting up Top Server for communication with PLCs
- Deployment of all changes on client workstations
- Configuring the redundancy ring

#### **Automation of raw material input**

#### **Glass**

- SQL-based communication with the site's access control and weighbridges on PC Vue V11
- Managing traffic signals and truck flows
- Management of silo assignments and levels
- Modification to the redundant automation of the M580 composition workshop

#### Rockwell

#### Revamping of a mixing station and 4 furnaces with SAP traceability

#### **Email**

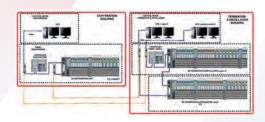
- Setting up a new architecture
  - 8 networked ControlLogix controllers
  - 8 Stratix managed switches
  - 2 FTView supervisions with SAP exchange for batch traceability
  - 5 Panelview
  - Ethernet/IP communicating drives
- Precia Molen weighing system with Modbus/TCP communication
- Communication with older RIO (to SLC500 I/O) and DH485 (to SLC500 PLC) systems

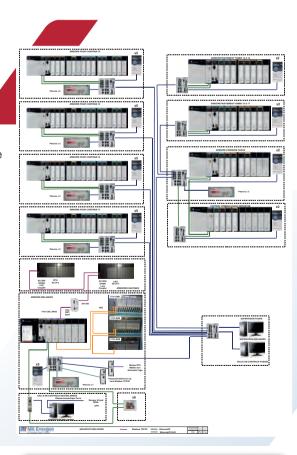
#### Construction of an export alcohol unit

#### **Agri-food**

in Argentina

- Definition and implementation of an architecture
  - 3 dual-screen monitors
  - 2 Compactlogix controllers
  - 3 I/O Point remote I/O racks
  - 44 direct motors and 8 drives
  - 16 on/off valves
  - 124 analogue sensors
- Programming and adjustment of 50 level, flow, temperature and pressure control loops





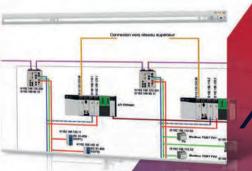
#### High availability IEC61850 MV loop reconfigurator

#### **Pharmaceutical industry**

- Analysis of reconfiguration scenarios for plant backup.
- Network of 50 SEPAMs communicating using the IEC 61850
- Acquisition via remote inputs/outputs in 4 MV substations
- ✓ IEC61850 redundant ring with 5 manageable switches
- Reconfiguration of MV loop using supervision and PLC

#### Rockwell PLANT PAX

- MV/LV power management, standby and corrugated
- Cleanroom air treatment
- Energy and utilities management



#### Control of two export gas compressors

#### Oil&Gas in Congo

- Safety functional analysis
- Definition and programming of Guarlogix Safety PLC with Point I/O Safety
- Control of two-stage compressors in Ex zones
- Safety tests, acceptance and commissioning on site

## They put their trust us

**ACOLYANCE** ADM AFYREN NEOXY

**AHLSTROM AIBS** 

AIR LIQUIDE

**AIRFLUX AJINOMOTO** 

ALLIA

**ALSTOM** 

**ARCELORMITTAL** ASTRA ZENECA

**AVRIL** 

**BALL PACKAGING** 

**BASF** 

BAYER

**BLP ENERGIES** 

**BONDUELLE** 

BRIDGESTONE

CARAIBES ENERGIE

**CARGILL** 

CHAMTOR

CIM D'EQUIPEMENT

CIMENTS CALCIA

CIMV

**COPALIS** 

**CORIANCE** 

**CORNING** 

**COSUCRA** 

**COSUMAR** 

COUPLET

CRISTAL UNION

CRISTANOL

**DALKIA DURR** 



























**EMPRAL** 

**ENGIE THERMIQUE France AMO** 

**ENVEA** 

**EQUANS** 

**ESSENDERLOO** 

**EURODIA** 

**FERRO** 

**FIVES CAIL** 

**FONROCHE ENERGIES** RENOUVELABLES

**FORBO** 

**FORGES TARDIEU** 

**GARDEL SA** 

**GAY ELECTRICITE** 

**GESTAMP** 

**GINOR** 

**GIVRAUVAL ENROBES** 

**GRD LA BELLE** 

HAFFNER ENERGY **HEINZ-BENEDICTA** 

HOLCIM LAFARGE

HOPITAUX ST MAURICE

IMPRIMERIE NATIONALE

**INEOS STYRILUTION France SAS** 

INTERNATIONAL PAPER INTERNATIONAL A PAPER



LA BOULANGERIE DE L'EUROPE

**LACTALIS** 

LE CREUSET

LESAFFRE FRERES

**EUROLYSINE** 

**FUROPÉENNE DE BIOMASSE** 

**FASTNED France** 

**FCP** 

**FIMASUCRE** 





Rodbos

EQUANS

Européenne

de Biomasse

(V) FERRO.



















LUNDIN M.H.C.S

**MAGUIN MALTEUROP** 

MBK

MC CAIN **MENISSEZ** 

MEUBLES DEMEYERE

MIKO

MISSENARD QUINT

MONDELEZ

**NESTLE** 

NORD CEREALES

NORSKE / VÉOLIA NOVAWOOD

NYRSTAR France

O-I

**OUVRÉ & FILS** PARIS AÉROPORT

PERE OLIVE

PLASTIC OMNIUM POLYNT COMPOSITES France

PROCETHOL 2G

PRODUITS CHIMIQUES DE LOOS

**PROSERNAT** RAFFINERIE TIRLEMONTOISE **ROQUETTE** 

SAINT LOUIS SUCRE SAINT LOUIS & SUCRE

SAINT-GOBAIN

SAINT-GOBAIN DESJONQUÈRES

SAIPOL SANARDI ENGENHARIA LTDA

**SDDEA** SERA BIOMASS HANDLING

SMRC AUTOMOTIVE MODULES France



SMURFIT KAPPA

ST MICROELECTRONICS

STÉ MAURITANIENNE

SUCRERIE COUPLET

SUCRES & DENRÉES

SUCRERIE DU GALION

IND ALIMENTAIRES

SOLIANCE

SOMDIAA

SOUFFLET

STOELZLE

SUCRIVOIRE

SÜDZUCKER

SUNABEL

STOLZ

**SUCAF** 











**PARIS** AÉROPORT

ROQUETTE

SER/

SVS LA MARTINIQUAISE SYRAL AALST

**TEREOS** 

**TERRA** 

**TERRAGEN** THOMSEN

**UNIGRAINS UNILEVER** 

UNILIN

UNITED PETFOOD France **USINE DU GALION** 

VAN DEN CASTEELE

**VALLOUREC** 

**VEOLIA** 

**VERESCENCE VIVESCIA** 

**VYNOVA** 

YANMAR

































#### MK Energies Arras

Rue Pierre & Marie Curie F-62223 St-Laurent-Blangy

#### **MK Energies Dieppe**

25, rue des Avettes F-76510 Dampierre-Saint-Nicolas

#### **MK Energies Dunkerque**

466, avenue Jean Monet Rue de Bonn - Zac du Pont Loby F-59640 Dunkerque

#### **MK Energies Evreux**

42, route des Andely F-27200 Vernon

#### **MK Energies Lille**

1, rue des Bouleaux Bâtiment L - 2<sup>ème</sup> étage F-59810 Lesquin

#### Our companies

#### **MK Energies Reims**

2, rue du Loup F-51420 Cernay-lès-Reims

#### **MK Energies Saint-Dizier**

Zone d'activité Pré-Moinot Rue Bois du Roi F-52100 Saint-Dizier

#### **MK Energies Saint-Quentin**

231 rue René Cassin F-02100 Saint-Quentin

#### MK Energies Valenciennes

Parc d'activité de l'Aérodrome Est 1 Rue d'Hurtebise F-59125 Trith-Saint-Léger

#### **MK Energies Vervins**

64, rue de Vervins F-02140 La Bouteille

#### **MK Global Service & Solutions**

Bâtiment « Le Sextant » 2, rue de la Croix Chaudron CS 30001

F-51500 Saint-Léonard

#### **MK Major Projects**

Bâtiment « Le Sextant »
2, rue de la Croix Chaudron
CS 30001

F-51500 Saint-Léonard

#### **MK Energies Italia**

Via Statuto 6 bis 12100 Cuneo Italia

#### Head office

#### **MK Energies**

Bâtiment « Le Sextant » - 2, rue de la Croix Chaudron - CS 30001 F-51500 Saint-l éonard



www.mk-energies.fr

- ✓ Head office: MK Energies ✓ Le Sextant ✓ 2, rue de la Croix Chaudron CS 30001 ✓ F-51500 Saint-Léonard ✓ Tel.: +33 3 52 62 04 00
- Fax.: +33 3 26 47 49 11 Contact@mk-energies.fr www.mk-energies.net Simplified joint stock company (SAS) with capital of 1,000,000 794 576 231 Commercial register of Reims SIRET 794 576 231 001 10 APE code 4321A
- VAT no.: FR 71 794 576 231 ✓ Photo credits: MK Energies, Shutterstock.