

# QUALITY MANAGEMENT MANUAL

HIGH PERFORMANCE ALLOYS DIVISION

Issue dated Septembre 2020



## 0. HISTORY PAGE

Date	Chapter	Object
17/01/20	All	Creation Cancels and replaces the Quality Manual Aubert & Duval and the Quality Manual Erasteel
2020-09	All	Update : § 1, 2, 3 and 5

## SIGNATURES

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# 1. SCOPE

This Quality Management Manual defines all of the provisions set up by the High Performance Alloys Division in order to fulfil the requirements of the following Quality standards on the plants and perimeter specified in the following table :

Plant	Standards				Covered perimeter
	ISO9001 : 2015	EN9100 : 2018 / AS9100D / JISQ 9100 : 2016	EN 9120 : 2018 / AS 9120:B / SJAC9120:A	AQAP 2110 édition D Version 1 (2016)	
Paris	X	X	X	X	EXECUTIVE MANAGEMENT, FINANCIAL AND ADMINISTRATIVE, SALES AND MARKETING, COMMUNICATION DEPARTMENTS
Clermont-Ferrand	X	X	X	X	TECHNICAL, QUALITY, HUMAN RESOURCES, PURCHASING and INDUSTRIAL AFFAIRS DEPARTMENTS
Les Ancizes	X	X		X	INDUSTRIAL DESIGN, DEVELOPMENT, MELTING, ALLOYS REMELTING, MANUFACTURING, HEAT TREATMENT, INSPECTION, TESTING, MARKETING AND SALE OF METALLURGICAL PRODUCTS, OPEN AND CLOSE DIE FORGINGS, STAMPINGS, ROLLINGS IN ALLOYED AND STAINLESS STEELS, NICKEL AND COBALT-BASED ALLOYS AND SUPERALLOYS, TITANE ALLOYS
Pamiers	X	X			INDUSTRIAL DESIGN, DEVELOPMENT, MANUFACTURING, HEAT TREATMENT, INSPECTION, TESTING, MARKETING AND SALE OF METALLURGICAL PRODUCTS, OPEN AND CLOSE DIE FORGINGS, STAMPINGS, ROLLINGS IN ALLOYED AND STAINLESS STEELS, NICKEL AND COBALT-BASED ALLOYS AND SUPERALLOYS, TITANIUM AND ALUMINIUM ALLOYS.
Imphy	X	X		X	ALLOYS REMELTING, MANUFACTURING, INSPECTION, TESTING OF METALLURGICAL PRODUCTS, OPEN AND CLOSE DIE FORGINGS, IN ALLOYED AND STAINLESS STEELS, NICKEL AND COBALT-BASED ALLOYS AND SUPERALLOYS, MANUFACTURING AND SALE OF ALL GRADE PRODUCTS OBTAINED BY POWDER METALLURGY.
Firminy	X	X		X	INDUSTRIAL DESIGN, DEVELOPMENT, MANUFACTURING, HEAT TREATMENT, INSPECTION, TESTING, MARKETING AND SALE OF METALLURGICAL PRODUCTS, OPEN AND CLOSE DIE FORGINGS, IN ALLOYED AND STAINLESS STEELS.
Issoire	X	X			INDUSTRIAL DESIGN, DEVELOPMENT, MANUFACTURING, HEAT TREATMENT, INSPECTION, TESTING, OF METALLURGICAL PRODUCTS, OPEN AND CLOSE DIE FORGINGS, STAMPINGS, IN ALUMINIUM ALLOYS.
Heyrieux	X	X	X	X	MANUFACTURING, INSPECTION, MARKETING AND SALE OF METALLURGICAL PRODUCTS, OPEN AND CLOSE DIE FORGINGS, ROLLINGS IN ALLOYED AND STAINLESS STEELS, NICKEL AND COBALT-BASED ALLOYS AND SUPERALLOYS.
INTERFORGE	X	X			DISTRIBUTION AND WAREHOUSING OF METALLURGICAL PRODUCTS, OPEN AND CLOSE DIE FORGINGS, ROLLINGS IN ALLOYED AND STAINLESS STEELS, NICKEL AND COBALT-BASED ALLOYS AND SUPERALLOYS. MANUFACTURING, HEAT TREATMENT, INSPECTION, TESTING, OF METALLURGICAL PRODUCTS, OPEN AND CLOSE DIE FORGINGS, STAMPINGS, IN ALLOYED AND STAINLESS STEELS, NICKEL AND COBALT-BASED ALLOYS AND SUPERALLOYS, TITANIUM AND ALUMINIUM ALLOYS.

AUBERT & DUVAL

Plant	Standards				Covered perimeter
	ISO9001 : 2015	AS9100D / EN9100 : 2016 / JISQ 9100 : 2016	AS9120B : 2016 / EN9120 : 2017	AQAP 2110 edition D Version 1 (2016)	
Paris	X				HEADQUARTERS  DESIGN AND DEVELOPMENT, PRODUCTION AND PROCESSING OF HIGH SPEED STEELS, SPECIAL STEELS, AND HIGH VALUE ADDED METALS IN FORM OF CAPSULES, BILLETS, WIRE, BARS, PROFILES, STRIPS, SHEETS AND PLATES, PIECES AND BLANKS RECYCLING OF METALLIFEROUS WASTES, SCRAPS AND BY-PRODUCTS USING PYROMETALLURGICAL PROCESSES <i>EN9100 : CONVERSION AND SALE OF SPECIAL STEEL AND ALLOYS IN THE FORM OF FLAT PRODUCTS</i>
Commentry	X	X			PRODUCTION AND PROCESSING OF HIGH SPEED STEELS, SPECIAL STEELS AND HIGH VALUE ADDED METALS BARS, PROFILES. <i>EN9100 : PRODUCTION AND PROCESSING OF SPECIAL STEELS AND HIGH VALUE ADDED METALS.</i>
Champagnole	X	X			SALES, DISTRIBUTION, AND TRADING OF HIGH SPEED STEELS, SPECIAL STEELS, AND HIGH VALUE ADDED METALS IN FORM OF CAPSULES, BILLETS, WIRE, BARS, PROFILES, STRIPS, SHEETS AND PLATES, PIECES AND BLANKS
Chalon	X				DESIGN AND DEVELOPMENT, PRODUCTION AND PROCESSING OF HIGH SPEED STEELS, SPECIAL STEELS AND HIGH VALUE ADDED METALS IN FORM OF FREE POWDER, CAPSULES, BILLETS, WIRE, BARS, STRIPS, SHEETS AND PLATES, PIECES AND BLANKS. SALES OF HIGH SPEED STEELS, SPECIAL STEELS AND HIGH VALUE ADDED METALS IN FORM OF POWDER <i>EN9100 : CENTRALS FUNCTIONS PRODUCTION AND PROCESSING OF SPECIAL STEEL AND HIGH VALUE ADDED METALS IN FORM OF WIRE ROD</i>
ERASTEEL	KLOSTER Söderfors	X	X		PRODUCTION AND PROCESSING OF HIGH SPEED STEELS, SPECIAL STEELS AND HIGH VALUE ADDED METALS IN FORM OF WIRE AND STRIPS <i>EN9100 : PRODUCTION AND PROCESSING OF SPECIAL STEEL AND HIGH VALUE ADDED METALS IN FORM OF WIRE ROD</i>
	KLOSTER Långshyttan	X	X		PRODUCTION AND PROCESSING OF HIGH SPEED STEELS, SPECIAL STEELS AND HIGH VALUE ADDED METALS IN FORM OF STRIPS, PIECES AND BLANKS
	KLOSTER Vikmanshyttan	X			PRODUCTION AND PROCESSING OF HIGH SPEED STEELS, SPECIAL STEELS, AND HIGH VALUE ADDED METALS IN FORM OF WIRE AND PROFILES
	Stubs	X			PRODUCTION, SALES, DISTRIBUTION, AND TRADING OF HIGH SPEED STEELS, SPECIAL STEELS, AND HIGH VALUE ADDED METALS IN FORM OF WIRE
	Boonton	X			SALES, DISTRIBUTION, AND TRADING OF HIGH SPEED STEELS, SPECIAL STEELS, AND HIGH VALUE ADDED METALS IN FORM OF CAPSULES, BILLETS, WIRE, BARS, PROFILES, STRIPS, SHEETS AND PLATES, PIECES AND BLANKS
	Bolingbrook	X			

Depending upon the production of particular sites, additional provisions (specific procedures and/or Quality Assurance Plans) make it possible to take account of requirements from the following specific standards:

- Nuclear industry standards : GSR Part 2 (AIEA), 10CFR21, RCC-M, NCA 3800 (ASME), ...
- NF EN ISO/CEI 17025 version 2005 for the activity of our COFRAC or PRI-NADCAP accredited laboratories,
- Standards AC7006, AC7101, AC7102, AC7108 et AC7114 for our PRI-NADCAP accredited special processes.

As our customers are designers of their products, the design according to the § 8.3 of EN 9100 is not implemented in this area.

However the Pamiers, Ancizes, Issoire, Firminy, Commentry and Söderfors plants are implementing a process of industrial design.

Effective implementation of the commitments relating to Quality Management is performed via processes which are listed in the mapping set out in Chapter 4, which the description is indicated in Chapter 5.

For nuclear market, specific dispositions are described in the Nuclear Quality Manual.

## 2. QSE POLICY

# QUALITY - HEALTH & SAFETY - ENVIRONMENT POLICY

### HIGH-PERFORMANCE ALLOYS DIVISION

The **High-Performance Alloys Division** of the **Eramet group** develops **advanced metallurgical solutions** that satisfy the **strictest standards** of the **aeronautics, space, defence, energy, nuclear, tooling and automobile sectors**.

**OUR AMBITION** is to be the **global leader** in **advanced metallurgical solutions** creating **sustainable value** for our **shareholders** and our **customers**, thanks to our **passionate teams**.

**OUR CORPORATE POLICY** aims at **satisfying our customers, our employees and all stakeholders**:

based on **process-driven management**, an **analysis and risk prevention approach** and an **efficient management system** in terms of international standards (aeronautics, space, nuclear, defence, environmental, health and safety at work)

in accordance with **ethical behaviour** and the **requirements and rules** defined by our management system

by **reducing risks induced** by human error, **recognizing the right to error** and **guaranteeing the absence of sanction** against any report of an incident, accident or situation that seems to weaken the safety of our products

It is based on **compliance with legal and regulatory obligations** and satisfying the requirements of **customers, stakeholders** and the **Eramet group**. It is a comprehensive approach that includes:

**risk analysis and prevention of undesirable events** (accidents, diseases, pollution, etc.)

**environmental protection**

**continuous improvement of Quality, Health & Safety and Environmental performance**

An annual plan of process-driven progress objectives expresses our intent to progress and develop.

Jérôme FABRE  
CEO in charge of the Eramet  
High-Performance Alloys Division

30<sup>th</sup> JANUARY 2020

### OUR QHSE OBJECTIVES



#### HEALTH & SAFETY

We are committed to be a perfectly safe and sustainable company, and we strive to make the health and safety of all people present on our sites (employees, external service providers and visitors) a priority on a daily basis.

**THE LIFE OF WOMEN & MEN  
COMES FIRST**



#### QUALITY

We are working to offer high-performance products that meet customer requirements by developing an exemplary culture focused on our customers (nuclear safety, aviation safety, product safety, critical parts, human factors, prevention of FOD « Foreign Object Damage » / FME « Foreign Material Exclusion », counterfeit parts - CFSI « Counterfeit Fraudulent Suspect Item ».) and their satisfaction.

**SATISFYING OUR CUSTOMERS WITH  
UNCOMPROMISING QUALITY**



#### ENVIRONNEMENT

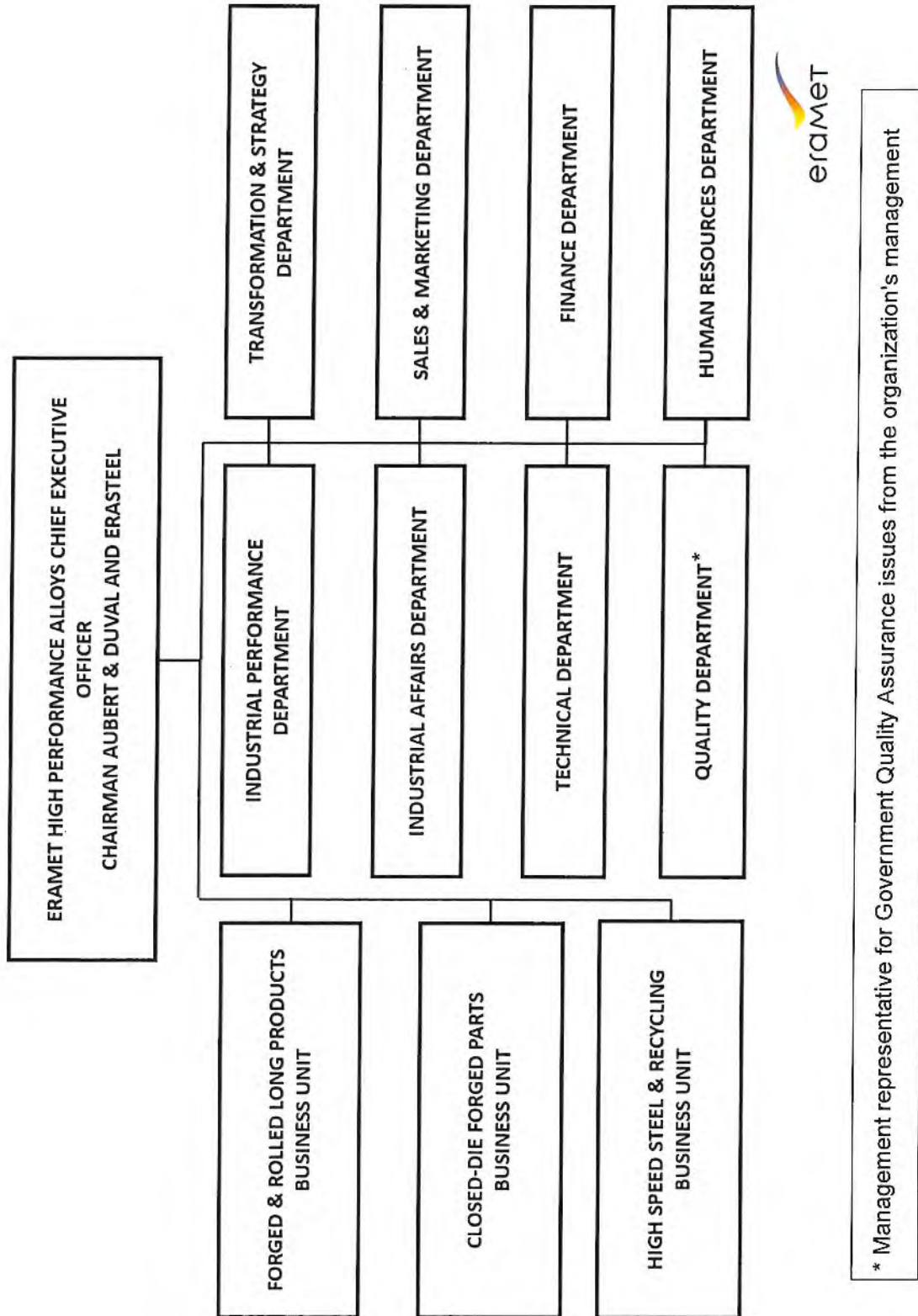
We are committed to contributing to a sustainable future, to ensure we comply with regulations and to reduce the environmental impact of our activities.

**AN ENVIRONMENTALLY  
FRIENDLY COMPANY**

Eramet 2020. Cibles et indicateurs QHSE. Qualité et Environnement. Santé et Sécurité au Travail. Énergie. Ressources Humaines. Clients. Actions Climat.



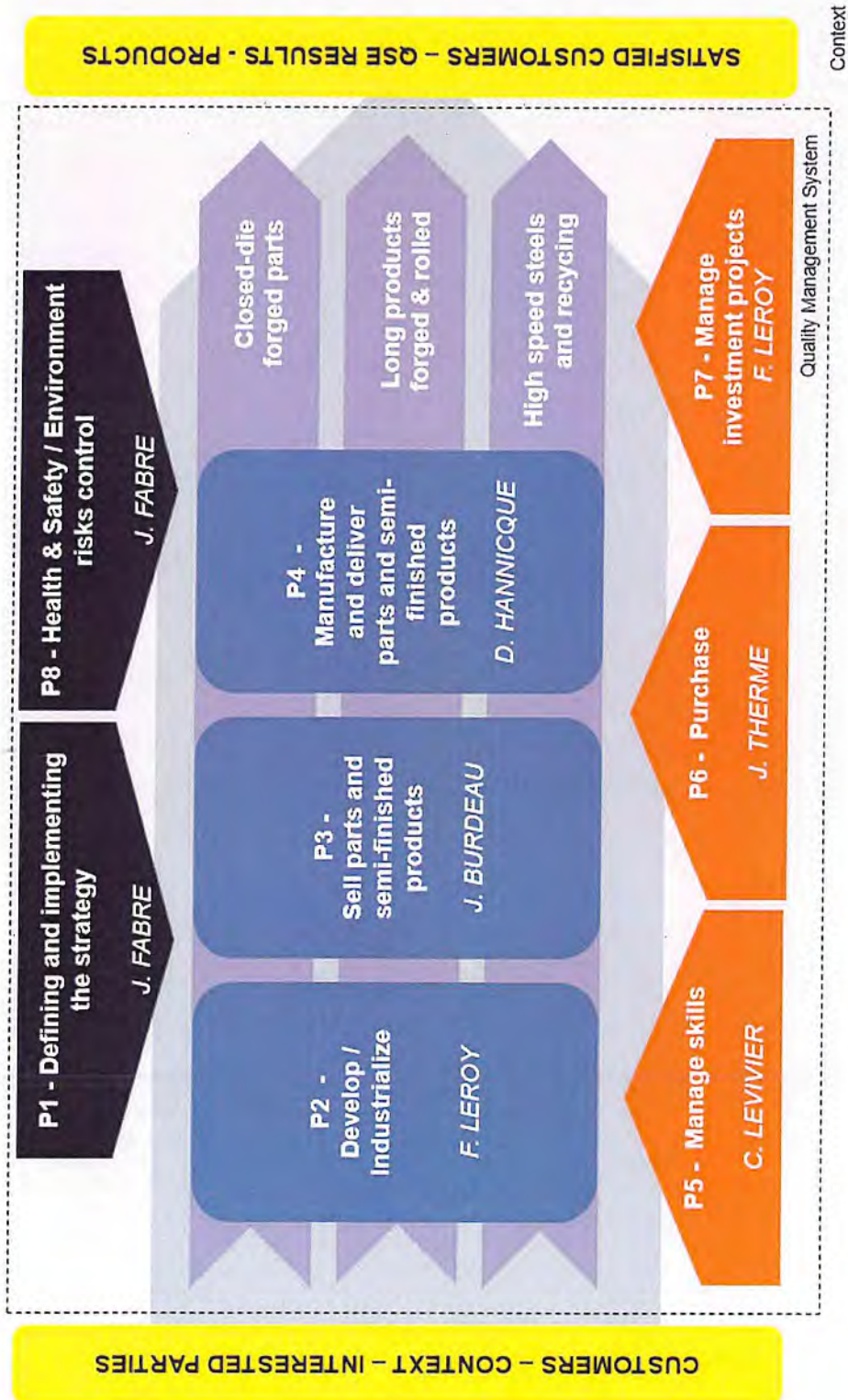
### 3. ORGANIZATION



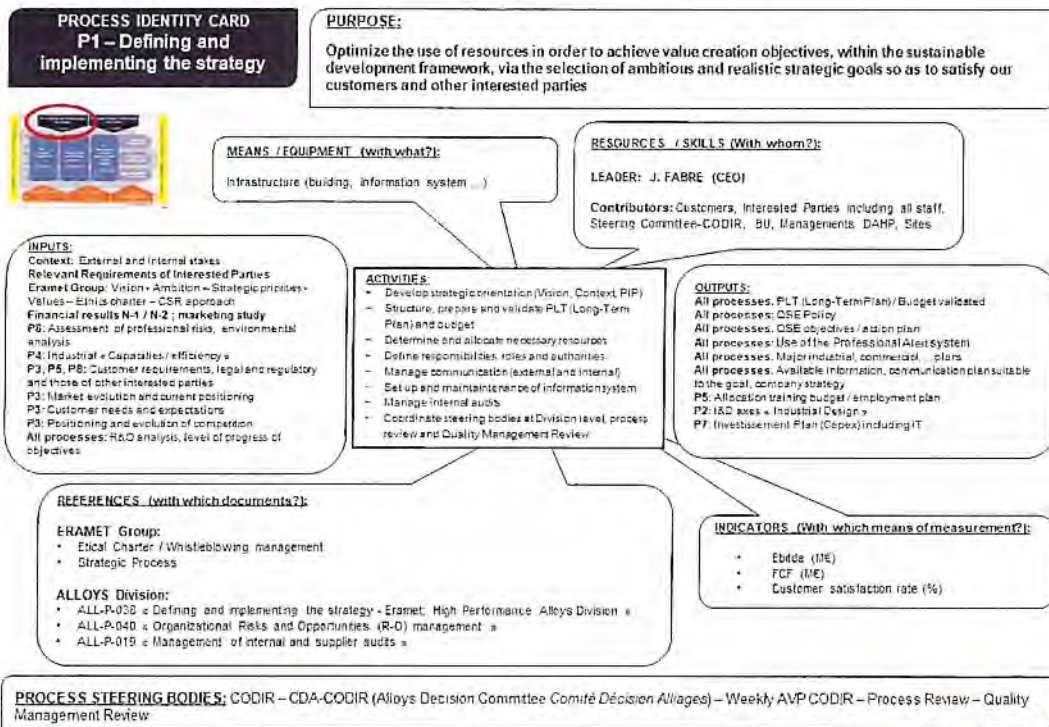
\* Management representative for Government Quality Assurance issues from the organization's management



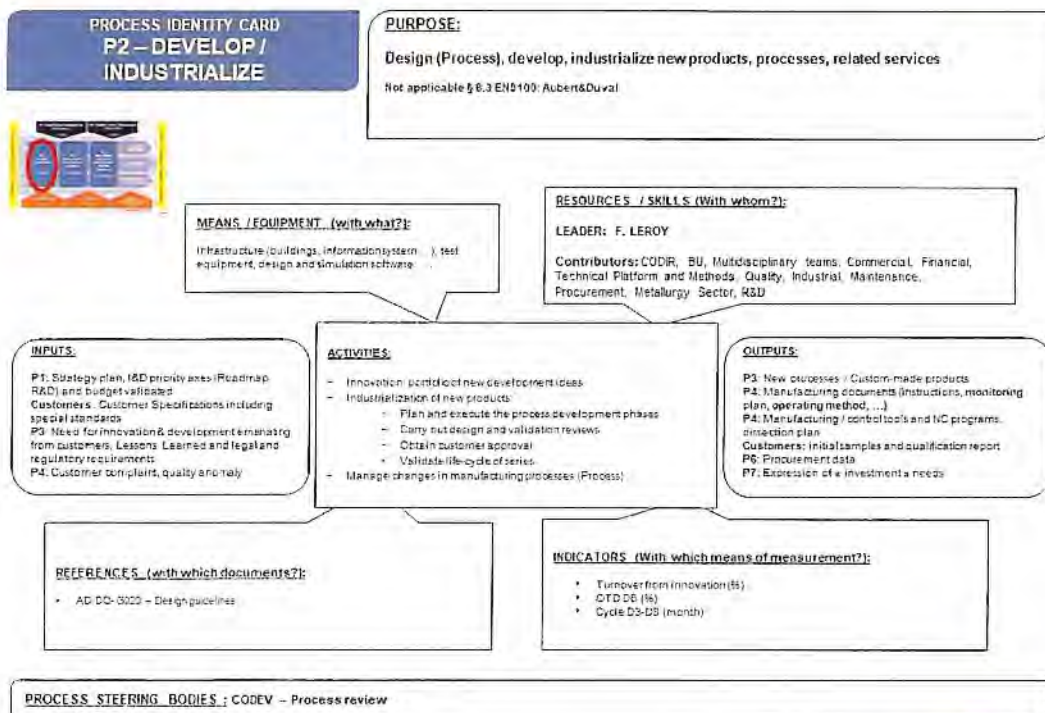
# 4. PROCESSES MAPPING



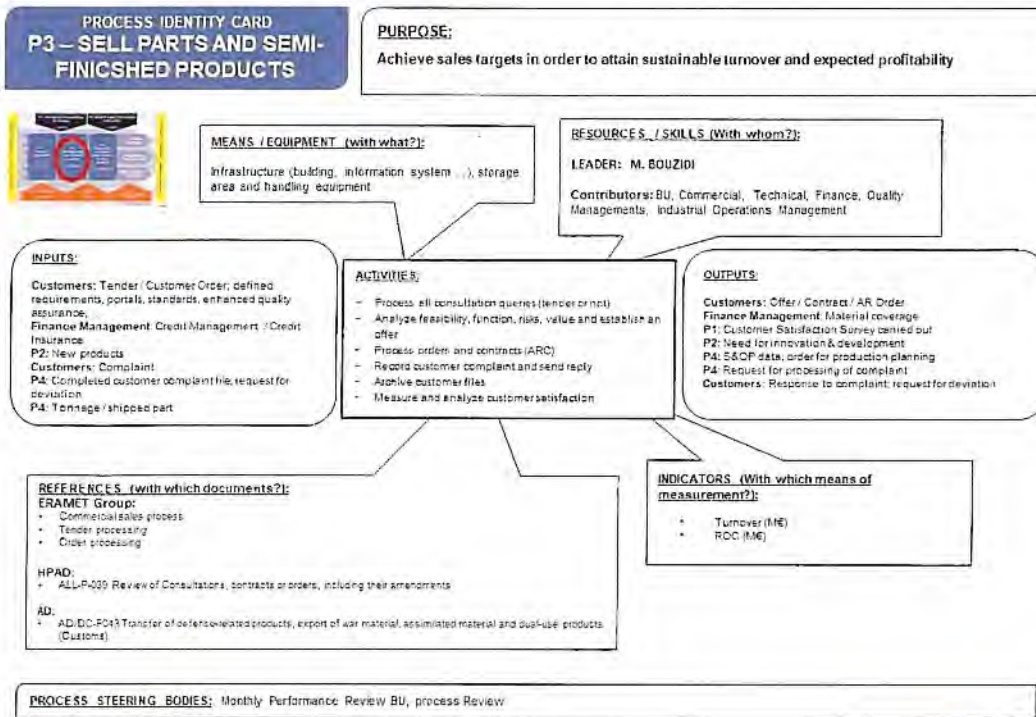
## 5. PROCESSES IDENTITY CARD



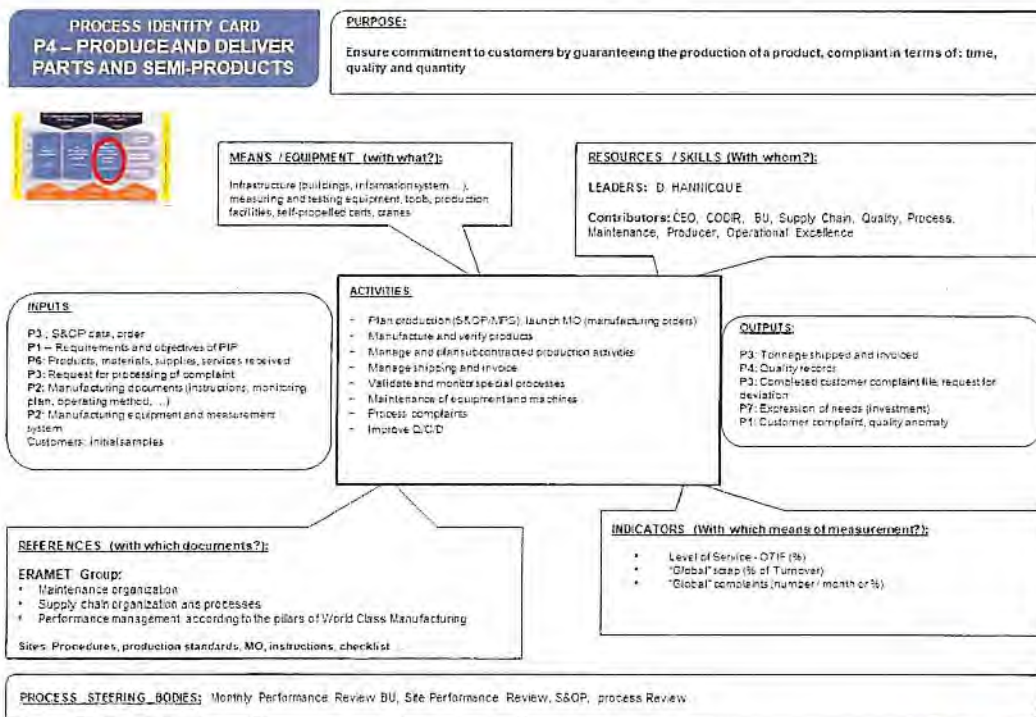
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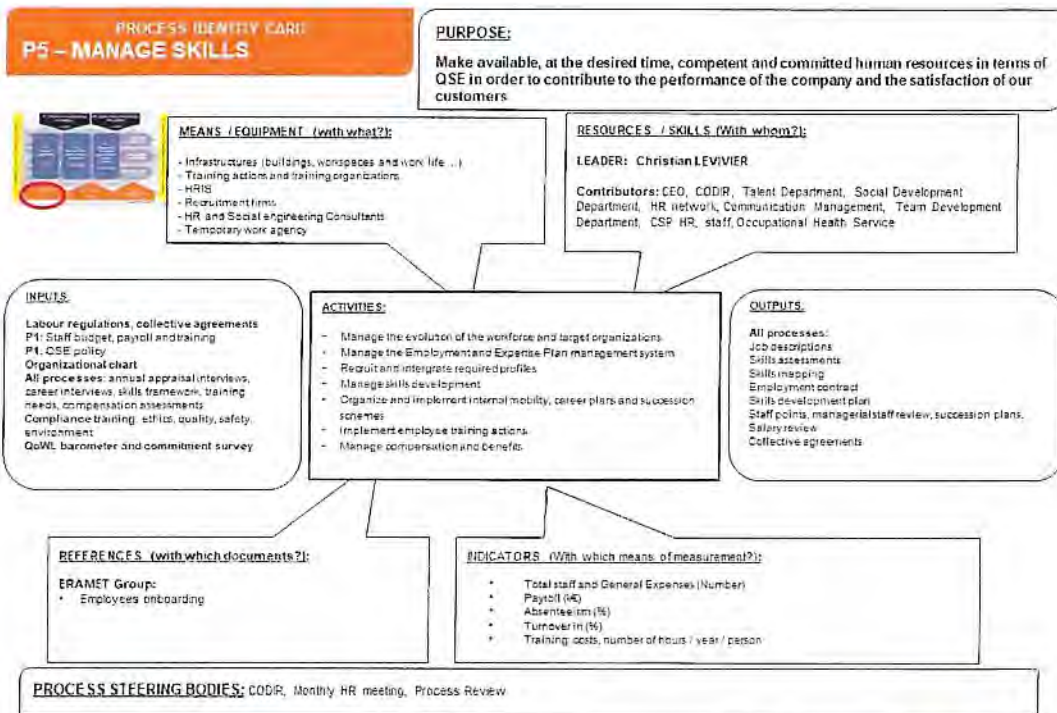
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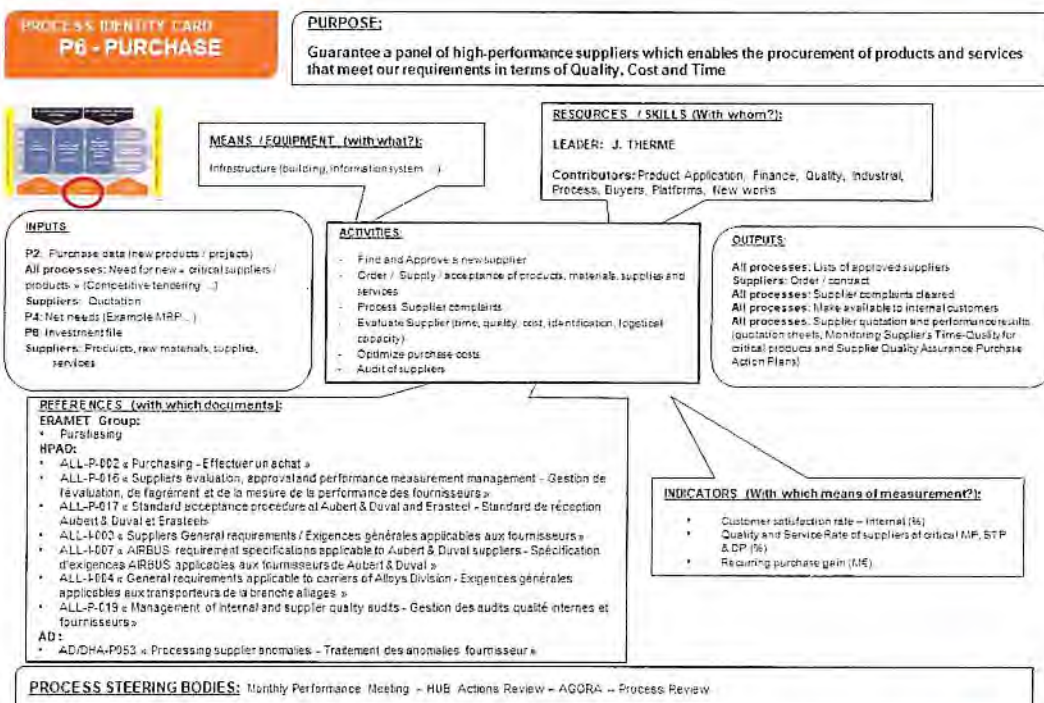
10 /18 New\_simplified\_process\_mapping\_V1 – Septembre 2020



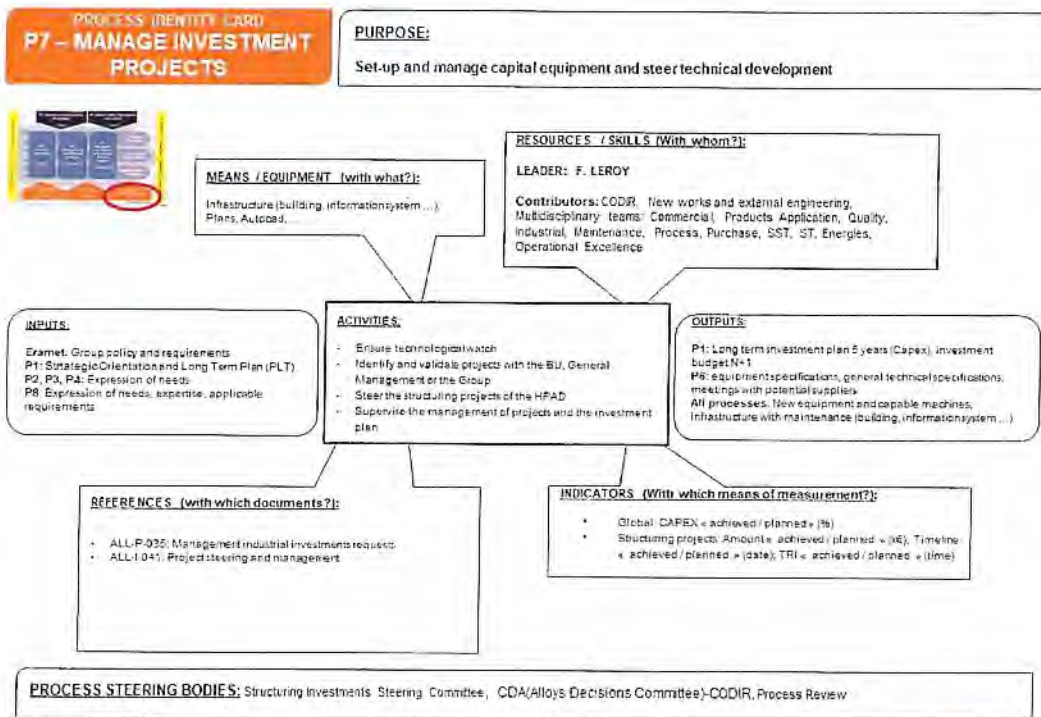
11 /18 New\_simplified\_process\_mapping\_V1 – Septembre 2020



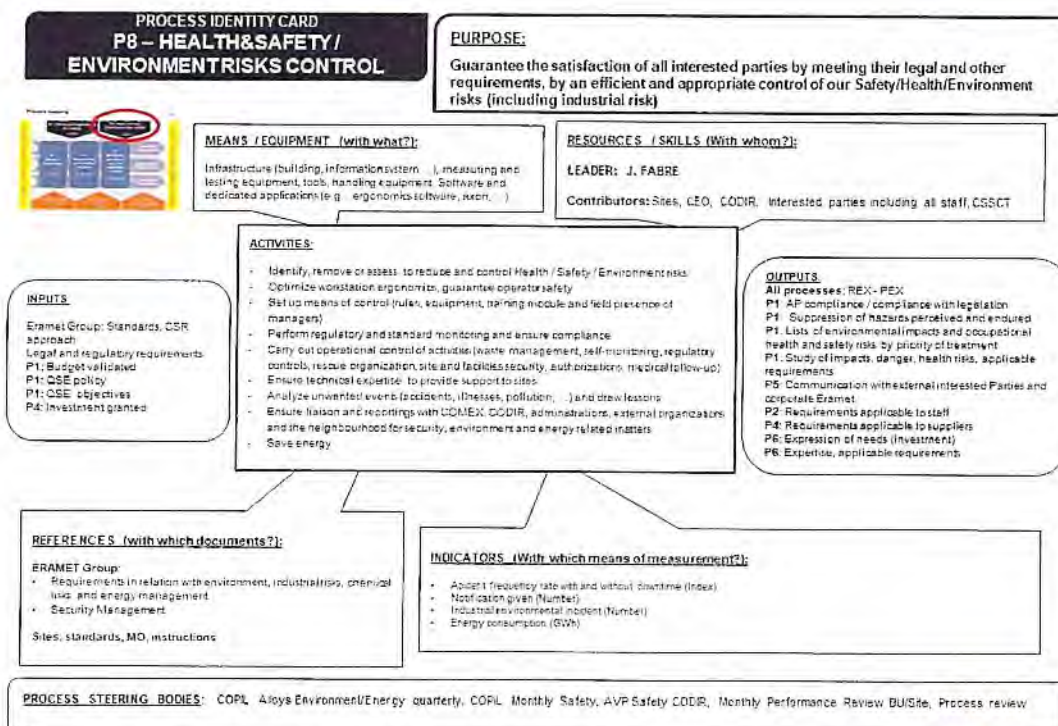
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15 /18 New\_simplified\_process\_mapping\_V1 – Septembre 2020