

QUALITY MANAGEMENT MANUAL

Aubert & Duval

Index 1

0. LIST OF REVISIONS

Date	Index	Object
30/05/2023	0	Création
07/11/2023	1	Update quality organization + identity card steering authorities

SIGNATURES

Written by / Rédacteur(s) B. DELSUPEXHE	Verified by / Vérificateur(s) T. ROUAULT	Approved by / Approbateur(s) B. DURAND
Signature:	Signature:	Signature:

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1. PRESENTATION OF AUBERT DUVAL

A&D, a world leader in cutting-edge metallurgical solutions

Aubert & Duval at a glance: locations and key figures

3 800
Employees

14
sites

553M€
Revenue in 2022

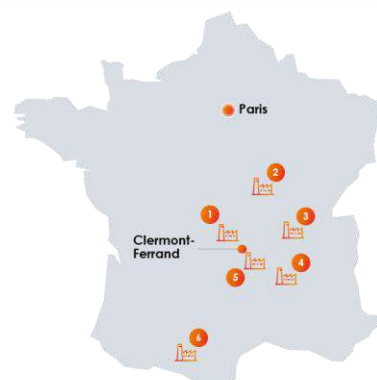
Headquarters: Issy-les-Moulineaux
(Executive management, Finance & adm^o, Strategy & marketing, communication, Sales)

Tertiary sites: Clermont-Ferrand
(Operations, Quality, Technique, IS, HR, Export) ; ADEI (Belgaum, India: engineering and methods office)

Industrial sites

- 1 Les Ancizes / EcoTitanium
- 2 Imphy
- 3 Heyrieux
- 4 Firminy
- 5 Issoire & Interforge
- 6 Pamiers
- A&D Spain
- SQuAD

9 PLANTS IN FRANCE



+ 2 IN THE REST OF THE WORLD
(A&D Spain, SQuAD in India)

Main markets

	AERONAUTICS AND SPACE	ENERGY	DEFENSE	SPECIALTIES MARKETS
Description	Structural parts, engine parts, landing gear parts, etc. Bulkheads, tank domes, etc.	Civil nuclear and land-based turbines	Nuclear submarines, artillery, missiles, surface ships	Medical, tools, other specialty products and additive manufacturing
Some of the company's products	Frames, slice joints, high- and low-pressure discs, turbine shafts etc.	Valve bodies, pump shafts, anti-vibration bars, discs, etc.	Large, medium and small caliber tubes, missile bars, nuclear reactor parts, etc.	Injector rods, transmission gears, medical applications, forged blocks, metal powders for additive metal manufacturing
Some of the company's customers				
Drivers	Commercial aviation, military applications and space exploration	Construction / extension of the operating life of existing power plants and decommissioning of facilities (incl. transportation, landfill) electricity consumption	Military programs	Underlying niche markets (e.g. motorsport, medical uses, etc.)
External A&D revenue (2022)	63 %	30 %		7 %

Aubert & Duval website : [Aubert & Duval](https://www.aubert-duval.com)

2. SCOPE

This Quality Management Manual applies to the French sites.

General scope of application:

ISO 9001 / EN 9100 / AQAP 2110 D, excluding UKAD et ECOTITANIUM :

DESIGN AND DEVELOPMENT OF MATERIALS GRADES, ENGINEERING, 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.

ENGINEERING, MANUFACTURING, HEAT TREATMENT, INSPECTION, TESTING, MARKETING AND SALE OF METALLURGICAL PRODUCTS, OPEN AND CLOSE DIE FORGINGS, STAMPINGS IN TITANIUM AND ALUMINIUM ALLOYS. MANUFACTURING AND SALE OF ALL GRADE PRODUCTS OBTAINED BY POWDER METALLURGY.

DISTRIBUTION AND WAREHOUSING OF METALLURGICAL PRODUCTS, ROLLINGS IN ALLOYED AND STAINLESS STEELS, NICKEL AND COBALT-BASED ALLOYS AND SUPERALLOYS.

MANUFACTURE OF TITANIUM ALLOYS INGOT.

INDUSTRIALIZATION, MANUFACTURING, INSPECTION, SALE, MARKETING AND INTERNAL TRANSFER OF TITANIUM ALLOY PRODUCTS. CUSTOM FORGING.

EN9120 - HEYRIEUX :

DISTRIBUTION AND WAREHOUSING OF METALLURGICAL PRODUCTS, OPEN AND CLOSE DIE FORGINGS, ROLLINGS IN ALLOYED AND STAINLESS STEELS, NICKEL AND COBALT-BASED ALLOYS AND SUPERALLOYS.

ISO 9001, EN 9100 - UKAD :

INDUSTRIALIZATION, MANUFACTURING, INSPECTION, SALE, MARKETING AND INTERNAL TRANSFERT OF TITANIUM ALLOY PRODUCTS. CUSTOM FORGING.

ISO 9001, EN 9100 - ECOTITANIUM :

MANUFACTURE OF TITANIUM ALLOYS INGOT.

This Quality Management Manual defines all the measures implemented by AUBERT&DUVAL to meet the requirements of the quality standards for the sites and scope specified in the following table:

Site + address <u>AUBERT & DUVAL :</u>	Standards					Scope
	ISO 9001: 2015	EN 9100:2018 AS 9100:D JISQ 9100:2016	EN 9120: 2018 AS 9120:B SJAC 9120:A	AQAP 2110 D		
AUBERT&DUVAL Central fonction Issy-les-Moulineaux 12, rue D'Oradour sur Glane 92130 Issy-les-Moulineaux France	x	x	x	x		CENTRAL FUNCTIONS. EXECUTIVE MANAGEMENT, ADMINISTRATIVE AND FINANCIAL, COMMERCIAL, FUTURE BUSINESSES, STRATEGY AND MARKETING. HUMAN RESSOURCES. COMMUNICATION. DESIGN AND DEVELOPMENT OF MATERIALS GRADES.
AUBERT&DUVAL Aubière 14 allée Alan Turing 63170 Aubière France	x	x	x	x		SUPPORT FUNCTIONS. TECHNICAL, OPERATION, QUALITY AND PROGRES, HUMAN RESSOURCES, PURCHASING, INFORMATION SYSTEMS. DESIGN AND DEVELOPMENT OF MATERIALS GRADES.
AUBERT&DUVAL Les Ancizes 1 rue des Villas BP 1 63770 Les Ancizes France	x	x		x		ENGINEERING, MELTING, ALLOYS REMELTING, MANUFACTURING, HEAT TREATMENT, INSPECTION, TESTING, MARKETING AND SALE OF METALLURGICAL PRODUCT, OPEN AND CLOSE DIE FORGINGS, STAMPINGS, ROLLINGS IN ALLOYED AND STAINLESS STEELS, NICKEL AND COBALT-BASED ALLOYS AND SUPERALLOYS, TITANIUM ALLOYS. MANUFACTURING AND SALE OF ALL GRADE PRODUCTS OBTAINED BY POWDER METALLURGY. DESIGN AND DEVELOPMENT OF MATERIALS GRADES.
AUBERT&DUVAL Firminy Rue de la Tour de Varan 42700 Firminy France	x	x		x		ENGINEERING, MANUFACTURING, HEAT TREATMENT, INSPECTION, TESTING, MARKETING AND SALE OF METALLURGICAL PRODUCTS AND OPEN AND CLOSE DIE FORGINGS IN ALLOYED AND STAINLESS STEELS.
AUBERT&DUVAL Heyrieux ZI rue des Balmes 38540 Heyrieux France	x	x		x		MANUFACTURING, INSPECTION, MARKETING AND SALE OF METALLURGICAL PRODUCTS AND OPEN AND CLOSE DIE FORGINGS, ROLLINGS IN ALLOYED AND STAINLESS STEELS, NICKEL AND COBALT-BASED ALLOYS AND SUPERALLOYS DISTRIBUTION AND WAREHOUSING OF METALLURGICAL PRODUCTS, ROLLINGS IN ALLOYED AND STAINLESS STEELS, NICKEL AND COBALT-BASED ALLOYS AND SUPERALLOYS.
			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.
AUBERT&DUVAL Issoire ZI du Piat 63502 Issoire - France	x	x		x		ENGINEERING, MANUFACTURING, HEAT TREATMENT, INSPECTION, TESTING OF METALLURGICAL PRODUCTS AND OPEN AND CLOSE DIE FORGINGS, STAMPINGS IN ALUMINIUM ALLOYS.
AUBERT&DUVAL Pamiers 75 boulevard de la Libération 09100 Pamiers France Laboratory: Plateforme technologique Delta sud - mod, 103 impasse Roland Garros , Verniolle, 09340, France	x	x		x		ENGINEERING, MANUFACTURING, HEAT TREATMENT, INSPECTION, TESTING, MARKETING AND SALE OF METALLURGICAL PRODUCT, OPEN AND CLOSE DIE FORGINGS, STAMPINGS, ROLLINGS IN ALLOYED AND STAINLESS STEELS, NICKEL AND COBALT-BASED ALLOYS AND SUPERALLOYS, TITANIUM AND ALUMINIUM ALLOYS.
AUBERT&DUVAL Imphy Avenue Jean Jaurès 58160 Imphy - France	x	x		x		ALLOYS REMELTING, MANUFACTURING, INSPECTION, TESTING OF METALLURGICAL PRODUCT, OPEN AND CLOSE DIE FORGING IN ALLOYED AND STAINLESS STEELS, NICKEL AND COBALT-BASED ALLOYS AND SUPERALLOYS. MANUFACTURING AND SALE OF ALL GRADE PRODUCTS OBTAINED BY POWDER METALLURGY.
Interforge ZI de la Maze - BP 75 63500 Issoire - France	x	x		x		MANUFACTURING, HEAT TREATMENT, INSPECTION, TESTING OF METALLURGICAL PRODUCTS AND OPEN AND CLOSE DIE FORGINGS, STAMPINGS IN NICKEL AND COBALT-BASED ALLOYS AND SUPERALLOYS, IN TITANIUM AND ALUMINIUM ALLOYS.
UKAD Lieu dit La Croix de Biolet RD 62 63780 ST GEORGES DE MONS France	x	x				INDUSTRIALIZATION, MANUFACTURING, INSPECTION, SALE, MARKETING AND INTERNAL TRANSFERT OF TITANIUM ALLOY PRODUCTS. CUSTOM FORGING.
ECOTITANIUM La Croix de Biolet RD 62 63780 ST GEORGES DE MONS France	x	x				MANUFACTURE OF TITANIUM ALLOYS INGOT;

Information on the legal status of these entities is available on :

<https://www.infogreffe.fr/>

Depending on the site, additional provisions (specific procedures and/or Quality Assurance Plans) are intended to take into account specific requirements, such as:

- Nuclear Industry standards: GSR Part 2 (IAEA), 10CFR21, RCC-M, NCA 3800 (ASME), NSQ-100, ISO 19443, ...
- The NF IN ISO/CEI 17025 for our COFRAC-accredited laboratories
- The AS13100 aerospace standard for Aero Engine Design and Production Organizations
- AC7006, AC7101, AC7102, AC7108 and AC7114 for our special processes accredited by PRI NADCAP.

Quality Management commitments are effectively implemented through the processes listed in the mapping presented in Chapter 6 and described in Chapter 7.

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

The latest version of the Aubert & Duval Management Manual, which takes into account significant changes that may affect the effectiveness of the Quality Management System, in line with the strategic direction, is available to our customers and all interested parties on the following websites:

[Aubert & Duval](#)

3. QHSE POLICY

POLICY

Quality - Health & Safety – Environment

Aubert & Duval and its subsidiaries are a leading European company covering the entire value chain, from the **development of innovative and environmentally responsible materials** to the **production of semi-finished parts** for critical industrial markets, especially **aerospace, energy, defence and nuclear**.

Our corporate policy aims to **satisfy our customers, employees and shareholders** by making the **safety of our employees and our products** and the **fight against global warming** our top priorities, as well as **contributing to the national sovereignty**.

Our management system will reflect these priorities in our **quality, health and safety, environment policy**:

By relying on **process-based management**, a **risk prevention approach** and **compliance with benchmarks and internal and external standards**.

By developing **exemplary management** by accepting the right to make mistakes and the need for transparency.

By strictly respecting **ethical behaviour** and the requirements and rules of the management system.

By ensuring the **involvement** of employees and their representatives.

By seeking **excellence and zero defects** by developing a **spirit of continuous improvement** in all areas of the company.

Our QHSE objectives:

QUALITY

We are aware of the criticality of our products for aeronautical, energy, nuclear and defence applications. For this reason we are committed to implementing an ambitious **Quality policy** and to being **exemplary** in terms of **Safety** and **Quality**.

We work to develop and deliver **robust, high-performance products** that meet our customers' requirements.

To this end, all our activities are conducted in a **spirit of transparency, progress and risk management**.

ENVIRONMENT

We are committed to innovating, proposing and implementing **environmentally responsible production solutions**. We are committed to continuously improve our impact on the environment and natural resources, including through **recycling**.

We develop **the materials of the future** to help our customers achieve their **decarbonisation objectives**.

HEALTH & SAFETY

The health and safety of all our employees, contractors and subcontractors is **our top priority**. We commit you to being concerned and **fully involved in the prevention and protection of your own and your colleagues' health and safety** at work.

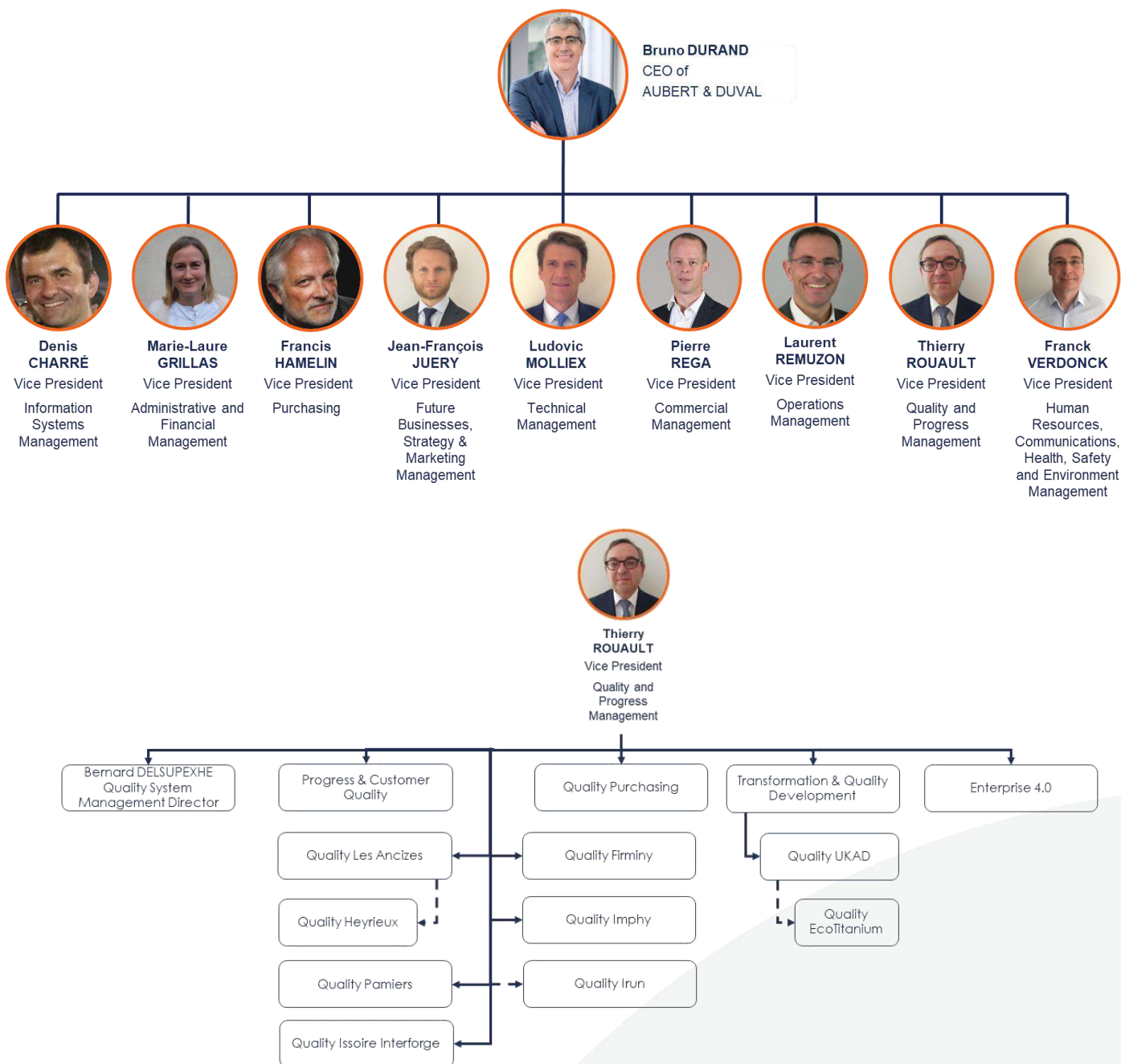
We are working to develop a **safety culture** with the objective of **« zero accidents »**. We are also committed to working tirelessly on prevention and improving working conditions. We develop the policies, procedures and tools necessary for the continuous improvement of our performance.



Bruno Durand
CEO of Aubert & Duval
May 2023

The success of this policy depends on everyone's mobilization and commitment

4. ORGANIZATION



Mr T. ROUAULT has been appointed as the Management representative within the meaning of the Quality guidelines.

5. COMPANY AUTHORITY

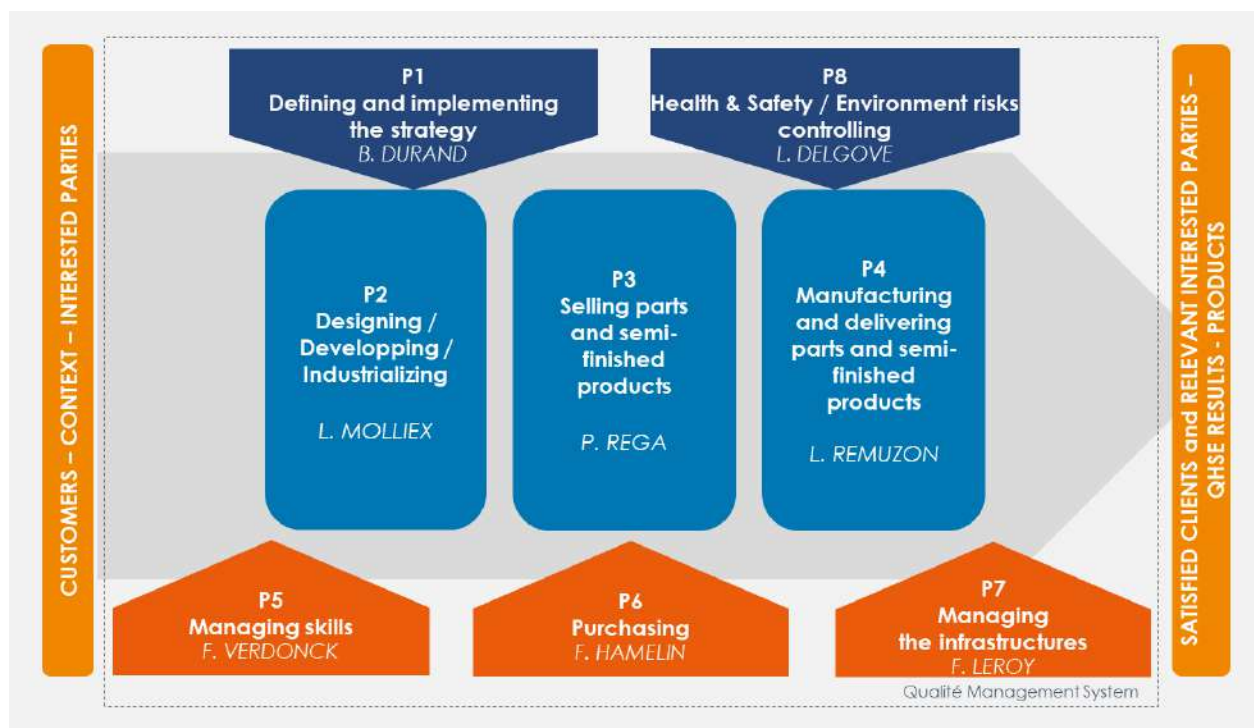
The system of delegated authorities defines the decision rules for the main commitment processes of the entities. The authorisation rules defined in the MAS (Company Authority Handbook) make it possible to establish commitment authorisations formalised by the authorised person(s) according to the planned activities and amounts.

6. PROCESSES MAPPING

Our management system is defined by 8 processes and their interactions.

Our processes are identified as follows:

- **2 Management process**
P1: Defining and implementing the strategy
P8: Health & Safety / Environment risks controlling
- **3 Realization process (our activity)**
P2: Designing / Developping / Industrializing
P3: Selling parts and semi-finished products
P4: Manufacturing and delivering parts and semi-finished products
- **3 Support Process (resources for other processes)**
P5: Managing skills
P6: Purchasing
P7: Managing the infrastructures

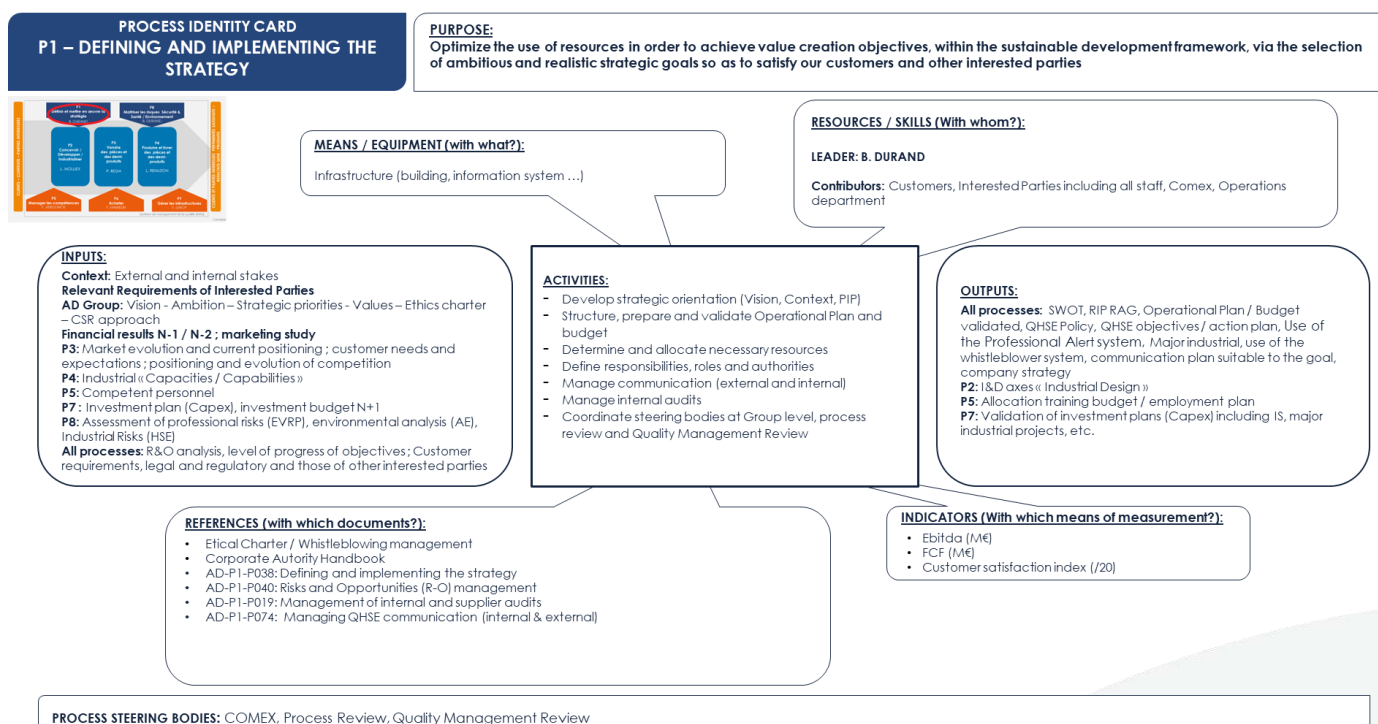


7. PROCESS IDENTITY CARD

Each process has an "identity card" with the following information:

- Its purpose,
- The steering bodies,
- The activities with input and output data,
- The means, resources, standards and indicators necessary for its proper functioning

Below is the "identity card" for each process:



PROCESS IDENTITY CARD P2 - DESIGNING / DEVELOPING / INDUSTRIALIZING



PURPOSE:

Design and development of materials grade
Design (Process), develop, industrialize new products, processes, related services

MEANS / EQUIPMENT (with what?):

Infrastructure (buildings, information system ...), test equipment,
design and simulation software ...

RESOURCES / SKILLS (With whom?):

LEADER: L. MOLLIEUX

Contributors: COMEX, Multidisciplinary teams: Commercial, Financial, Technical
Platform and Methods, Quality, Industrial, Maintenance, Procurement, Metallurgy
Sector, R&D

INPUTS:

Customers: Customer Specifications including special standards
P1: SWOT, RIP RAG, validated Operational Plan / Budget, QSSE Policy,
QSSE Objectives / Action Plan, Use of the whistleblower system,
Available information, adapted communication plan on the company's
purpose and strategy, Axes I&D
P3: Need for innovation & development emanating from customers,
Lessons Learned and legal and regulatory requirements
P4: Customer complaint, quality anomaly
P5: Competent personnel
P8: Requirements applicable to staff
Expert application files

ACTIVITIES:

- Innovation: portfolio of new development ideas
- Industrialization of new products:
 - Plan and execute the process development phases
 - Carry out design and validation reviews
 - Obtain customer approval
 - Validate life-cycle of series
- Manage changes in manufacturing processes (Process)
- Define areas of technical expertise and associated needs

OUTPUTS:

Customers: initial samples, qualification report and customer
approval
P3: New processes / Custom-made products
P4: Manufacturing documents (instructions, monitoring plan,
operating method, ...); Manufacturing / control tools and NC
programs, dissection plan
P6: Procurement data
P7: Expression of « investment » needs
Expert Mission Letters

REFERENCES (with which documents?):

- AD-P2-P060: Managing of development projects
- AD-P2-P153: Managing industrialization projects according to the APQP
- AD/DQ-G018: Gestion des évolutions des procédés
- AD / DQ-P067: Management des caractéristiques Clés
- AD-DT-P016: Gestion des activités de R&D
- UKAD :**
 - P1-07: Industrialisation des produits
 - P1-05: Gestion des évolutions Produit et Process
- EcoTilium :**
 - PQ08: Gestion de la configuration

INDICATORS (With which means of measurement?):

- Percentage of innovative sales (%)
- OTD D6 (%)
- J8 Outfit (Number)
- Expert Matrix Fill Rate (%): Number of experts on staff
vs. target

PROCESS STEERING BODIES: COMEX, Technical Steering Committee, **Technical Management Committee**, Strategic Development Programme - PDD, Meeting T/T+1, **Technical Management Committee with R&D focus**, GAMT- Medium-Term Action Group, **Expertise Committee meetings**, Process Review

PROCESS IDENTITY CARD P3 - SELLING PARTS AND SEMI-FINISHED PRODUCTS



PURPOSE:

Achieve sales targets in order to attain sustainable turnover and expected profitability

MEANS / EQUIPMENT (with what?):

Infrastructure (building, information system ...), storage area and
handling equipment

RESOURCES / SKILLS (With whom?):

LEADER: P. REGA

Contributors: Commercial, Technical, Finance, Quality Managements, Industrial
Operations Management

INPUTS:

Customers: Tender / Customer Order, defined requirements, portals,
standards, complaint
Finance Management: Credit Management / Credit Insurance
P1: SWOT, RIP RAG, validated Operational Plan / Budget, QSSE Policy,
QSSE Objectives / Action Plan, Use of the whistleblower system,
Available information, adapted communication plan on the company's
purpose and strategy
P2: New products
P4: Tonnages and/or Parts Shipped and Invoiced, Completed customer
complaint file, "Customer Scorecard" action plan
P5: Competent personnel

ACTIVITIES:

- Process all consultation queries (tender or not)
- Analyze feasibility, function, risks, value and establish an
offer
- Process orders and contracts (ARC)
- Record customer complaint and send reply
- Archive customer files
- Measure and analyze customer satisfaction / Processing
"customer performance" analyses (Scorecard)

OUTPUTS:

Customers: Offer / Contract / AR Order ; Response to complaint
Finance Management: Material coverage
P1: Customer Satisfaction Survey carried out
P2: Need for innovation & development
P4: S&OP data; order for production planning ; Request for
processing of complaint / Customer Scorecard

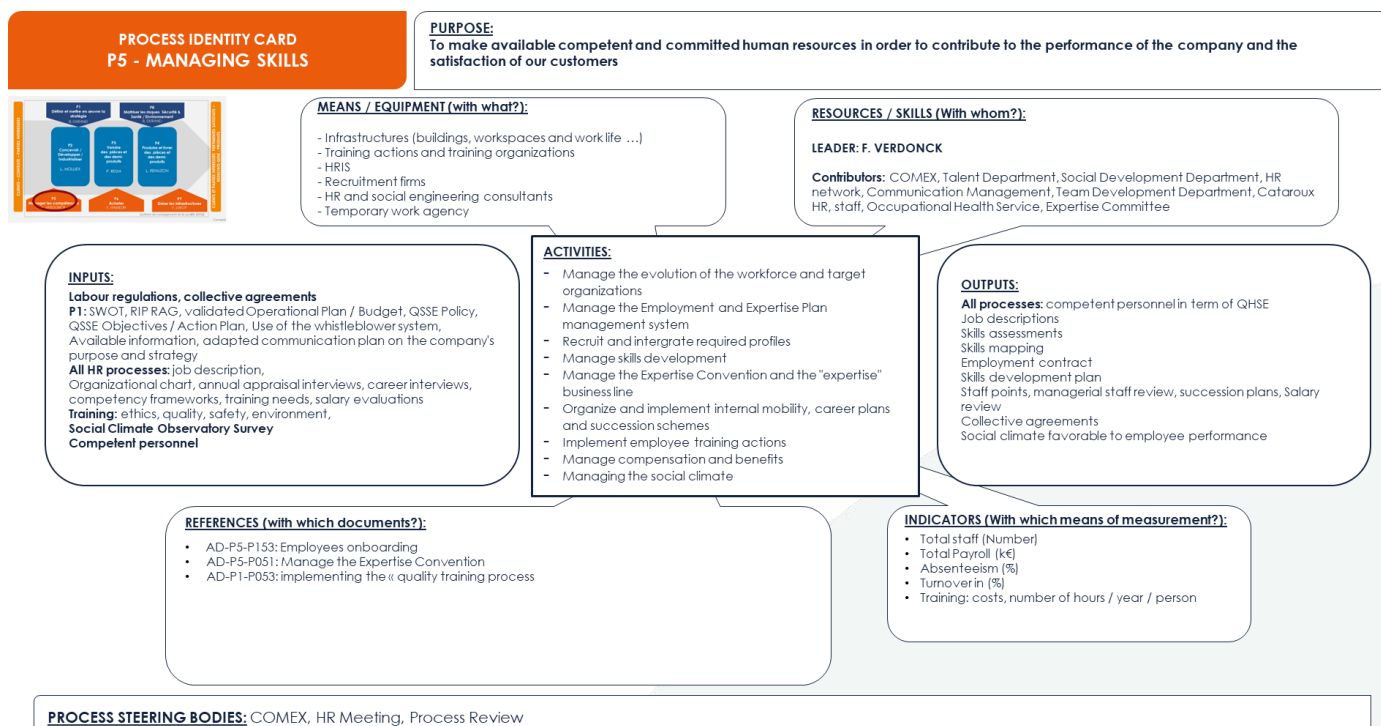
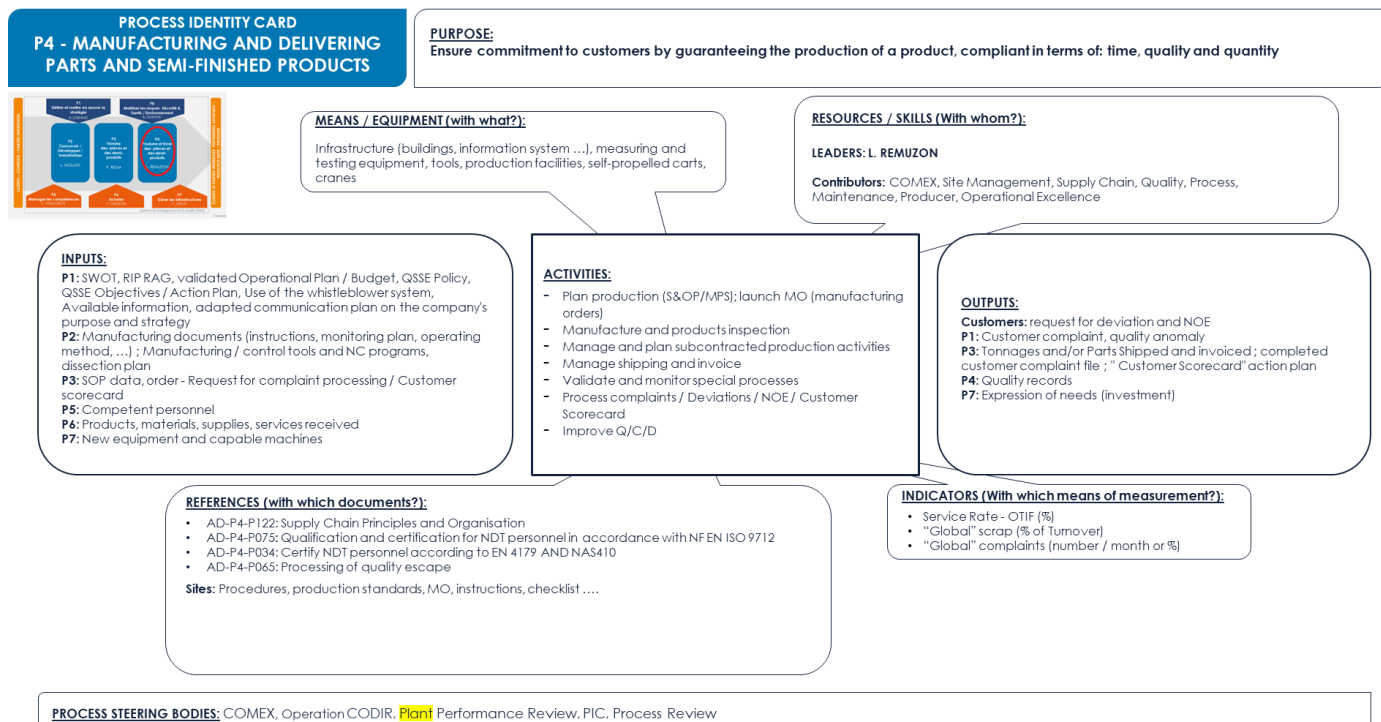
REFERENCES (with which documents?):

- AD-P3-P039: Review of proposals, contracts or orders, including their amendments
- AD-P3-P059: Transfer of defence-related products, export of war materials, related materials and dual-use goods
- AD/DC-P083: Measuring customer satisfaction
- UKAD :**
 - P1-06: Review of consultations, contracts or orders
- EcoTilium:**
 - IQ076: Order review

INDICATORS (With which means of measurement?):

- Turnover (M€)
- ROC (M€)

PROCESS STEERING BODIES: COMEX, Process Steering Review, Process Review



PROCESS IDENTITY CARD P6 - PURCHASING

PURPOSE:

Guarantee a panel of high-performance suppliers which enables the procurement of products and services that meet our requirements in terms of Quality, Cost and Time

MEANS / EQUIPMENT (with what?):

Infrastructure (building, information system ...)

RESOURCES / SKILLS (With whom?):

LEADER: F. HAMELIN

Contributors: Product Application, Finance, Quality, Industrial, Process, Buyers, Platforms, New works

INPUTS:

All processes: Need for new « critical suppliers / products » (Competitive tendering ...)
P1: SWOT, RIP RAG, validated Operational Plan / Budget, QSSE Policy, QSSE Objectives / Action Plan, Use of the whistleblower system, Available information, adapted communication plan on the company's purpose and strategy
P2: Purchase data (new products / projects)
P4: Net needs (Example MRP...)
P5: Competent personnel
P7: Investment file
Suppliers: Products, raw materials, supplies, services Quotation

ACTIVITIES:

- Find and Approve a new supplier
- Order / Supply / acceptance of products, materials, supplies and services
- Process Supplier complaints
- Evaluate Supplier (time, quality, cost, identification, logistical capacity)
- Optimize purchase costs
- Audit of suppliers
- Optimize risk management

OUTPUTS:

All processes: Lists of approved suppliers ; Supplier complaints cleared ; Make available to internal customers ; Supplier quotation and performance results (quotation sheets, Monitoring Supplier's Time-Quality for critical products and Supplier Quality Assurance Purchase Action Plans)
Suppliers: Order / contract

REFERENCES (with which documents):

- AD-P6-P154: Purchasing
- AD-P6-P002: Purchasing
- AD-P6-P016: Suppliers evaluation, approval and performance measurement management
- AD-P6-P017: Standard acceptance procedure at Aubert & Duval
- AD-P6-P003: Suppliers General requirements
- AD-P6-P004: General requirements applicable to carriers of Aubert & Duval
- AD-P1-P019: Managing quality audits
- AD-P6-P042: Processing supplier anomalies
- AD-P6-P064: Supplier operational risk analysis
- AD-P6-P012: General nuclear quality specification for suppliers
- AD-P6-P021: Measuring critical's supplier performance
- UKAD/ECOTITANIUM : site procedures

INDICATORS (With which means of measurement?):

- Internal Customer Satisfaction rate (%) rate
- Quality and Service Rate critical suppliers of critical MP, STP & DP (%)
- On time delivery Rate of Critical Suppliers MP, STP & DP
- P&L saving purchase (M€)
- Cost evitment saving (M€)

PROCESS STEERING BODIES: COMEX, Performance review Category Purchasing Manager (CPMI), CODIR A&D Purchasing, Supplier performance review, Process review

PROCESS IDENTITY CARD P7 - MANAGING THE INFRASTRUCTURES

PURPOSE:

To ensure the availability and adequacy of the infrastructure (building, equipment, software, hardware or machinery) to the current and future needs of the A&D by :

1. control of production equipment and infrastructure
2. control of information systems (IS).
3. construction and implementation of the investment plan.

MEANS / EQUIPMENT (with what?):

Infrastructure (building, information system ...), plans, Autocad, ...

RESOURCES / SKILLS (With whom?):

LEADER: F. LEROY

Contributors: COMEX, Site Management, New works and external engineering, Multidisciplinary teams: Commercial, Products Application, IT, Quality, Industrial, Maintenance, Process, Purchase, SST, ST, Energies, Operational Excellence

INPUTS:

All processes (activity 2): IS needs and problems in use
P1 (activity 1, 2 & 3): SWOT, RIP RAG, validated Operational Plan / Budget, QSSE Policy, QSSE Objectives / Action Plan, Use of the whistleblower system, Available information, adapted communication plan on the company's purpose and strategy
P4 (activity 1): activities and performance of the machines; Investment plan (Capex) including IS, Major industrial and commercial projects
Activity 3:
 • P2, P3, P4: Expression of needs
 • P5: Competent personnel
 • P8: Expression of needs, applicable regulatory requirements

ACTIVITIES:

1. **control of production equipment and infrastructure:**
 - management of preventive and corrective maintenance
 - management of spare parts and tools
 - equipment reliability
2. **control of information systems (IS):**
 - development of IT functionality and solutions with regard to the target processes
 - maintenance of IT infrastructures
 - securing information
3. **construction and implementation of the investment plan:**
 - Ensure technological watch
 - Identify and validate projects
 - to manage the projects

OUTPUTS:

All processes (activity 1&2): operational infrastructure (building, IS, production equipment, etc.)
Activity 3:
P1: Investment plan (Capex), investment budget N+1, Industrial Risk (machine breakdown)
P4: New equipment and capable machines
P6: equipment specifications, general technical specifications; meetings with potential suppliers

REFERENCES (with which documents?):

- AD-P7-P143: Request for investment (DAE)
- AD-P7-P033: Information System Management
- AD-P7-P035: Management industrial investments requests
- AD-P7-P041: Managing and controlling a project

INDICATORS (With which means of measurement?):

1. **control of production equipment and infrastructure:**
 - Unavailability rate for "strategic equipment" (%) / Site
 - Maintenance maturity level (score : /5) / Site
2. **control of information systems (IS):**
 - Depth of the incident backlog (Nbr. Ticket)
 - Application downtime (hours)
 - Industrial protection compliance / Site (scoring criteria)
3. **construction and implementation of the investment plan:**
 - CAPEX disbursement "achieved / planned" (%) : global / structuring
 - Timeframe "achieved/planned" (date): global (from 2022) / structuring
 - "Achieved/planned" IRR (%) : global (from 2022 onwards) / structuring

PROCESS STEERING BODIES: COMEX, Structuring Steering Committee Project, plant Performance Review, Process Review

PROCESS IDENTITY CARD
P8 - HEALTH & SAFETY / ENVIRONMENT
RISKS CONTROLLING



PURPOSE:

Guarantee the satisfaction of all interested parties by meeting their legal and other requirements, by an efficient and appropriate control of our Safety/Health/Environment risks (Including industrial risk)

MEANS / EQUIPMENT (with what?):

Infrastructure (building, information system ...), measuring and testing equipment, tools, handling equipment, Software and dedicated applications (e.g.: ergonomics software, axon, ...)

RESOURCES / SKILLS (With whom?):

LEADER: L. DELGOVE

Contributors: COMEX, Site Management, Interested parties including all staff, CSSCT

INPUTS:

AD Group: Standards, CSR approach
Legal and regulatory requirements
P1: SWOT, RIP RAG, validated Operational Plan / Budget, QSSE Policy, QSSE Objectives / Action Plan, Use of the whistleblower system, Available information, adapted communication plan on the company's purpose and strategy
P4: Investment granted
P5: Competent personnel

ACTIVITIES:

- Identify, remove or assess to reduce and control Health / Safety / Environment risks
- Optimize workstation ergonomics, guarantee operator safety
- Set up means of control (rules, equipment, training module and field presence of managers)
- Perform regulatory and standard monitoring and ensure compliance
- Carry out operational control of activities (waste management, self-monitoring, regulatory controls, rescue organization, site and facilities security, authorizations, medical follow-up)
- Ensure technical expertise to provide support to sites
- Analyze unwanted events (accidents, illnesses, pollution, ...) and draw lessons
- Ensure liaison and reportings with COMEX, administrations, external organizations and the neighbourhood for security, environment and energy related matters
- Save energy

OUTPUTS:

All processes: REX - PEX
P1: AP compliance / compliance with legislation; Suppression of hazards perceived and endured; Lists of environmental impacts and occupational health and safety risks by priority of treatment; Study of impacts, danger, health risks, applicable requirements; Communication with external Interested Parties and corporate, Industrial risks (HSE)
P2: Requirements applicable to staff
P4: Requirements applicable to suppliers
P6: Expression of needs (investment); Expertise, applicable requirements

REFERENCES (with which documents?):

AD-P8-P123: Safety Management
Sites: standards, MO, instructions

INDICATORS (With which means of measurement?):

- TF2 in YTD (Indice)
- A&D New formal notice or complaint (Number)
- A&D Major environmental accident (Number)
- A&D Minor off-site environmental incident (Number)
- A&D CO2 emission (TCO2)

PROCESS STEERING BODIES: COMEX, Network Meeting, Process Review