

lisi



A global industrial group specializing in the design and manufacture of assembly solutions

Let's create together the excellence of the industry of the future

DISCOVER



AEROSPACE | AUTOMOTIVE | MEDICAL

The rapid developments of our environment

shake up our organizations on a daily basis
and each sector must respond
to specific challenges in order to remain
at the heart of its ecosystem



AEROSPACE

Propose disruptive solutions for
carbon-free aviation



AUTOMOTIVE

Create connected vehicles that meet
the challenges of electromobility



MEDICAL

Manufacture state-of-the-art technological products
to facilitate access to surgery for all

How to respond together to these issues

through cutting-edge products while ensuring operational excellence?

We are constantly working to provide you with support in overcoming these new challenges



A recognized expert in 3 sectors,
we are with you at all times in designing and manufacturing your assembly solutions

lisi AEROSPACE

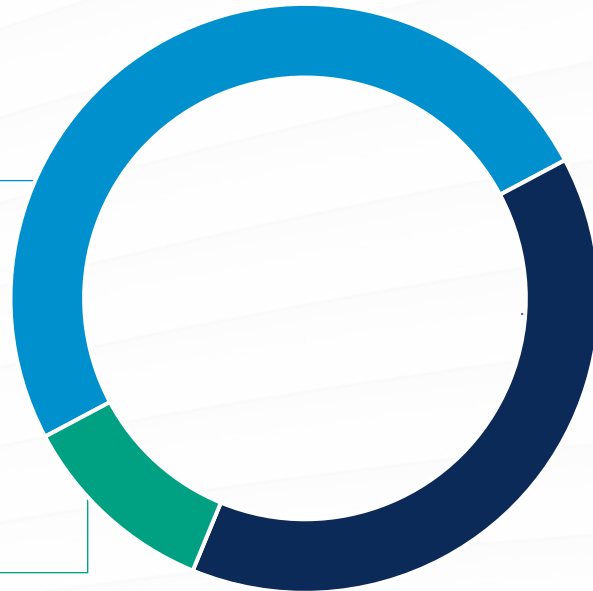
50%
of sales
revenue

LISI AEROSPACE designs and produces **a very wide range of assembly systems, hydraulic fittings and metallic structural components with high added value** for the world's largest players in the aerospace sector

lisi MEDICAL

11%
of sales
revenue

LISI MEDICAL manufactures **medical devices: orthopedic implants and instruments for minimally invasive surgery**



lisi AUTOMOTIVE

39%
of sales
revenue

LISI AUTOMOTIVE designs and produces **assembly solutions and safety components** for automotive manufacturers and parts manufacturers worldwide

A long-term partner of the world's largest players

for the pursuit of excellence and innovation,
they already trust us to meet their challenges of tomorrow

AND YOU?

lisi AEROSPACE

AIRBUS

AIRBUS ATLANTIC

AIRBUS HELICOPTERS

BOEING

DASSAULT AVIATION

EMBRAER

incora™

MTU Aero Engines

SAFRAN

SPIRIT AEROSYSTEMS

lisi AUTOMOTIVE



FORVIA faurecia



HITACHI



RENAULT NISSAN MITSUBISHI



TI Fluid Systems



lisi MEDICAL

INTUITIVE SURGICAL

Johnson & Johnson

Medtronic

Smith+Nephew

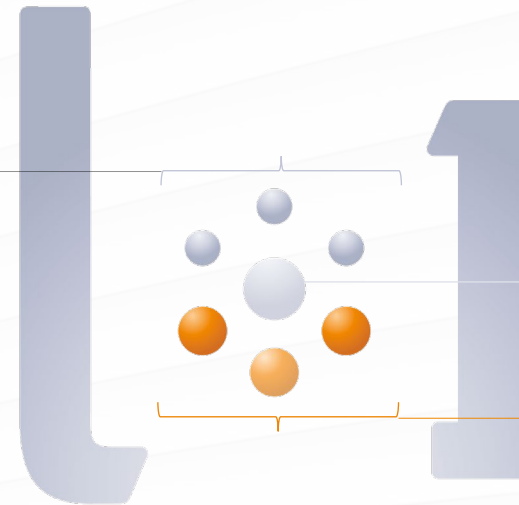
stryker



3P approach

Creation of a Sustainable Development and CSR Department to pursue our transformation on **3P**:

PEOPLE | PLANET | PROFIT



” Our purpose Shape and Share sustainable links

LISI SYSTEM

Our foundation performance and operational excellence in 3 programs:

LEAP | EHSE | COS

5 shared values

at the heart of our purpose



LOOKING BEYOND

#SUSTAINABILITY



COMMUNICATING
WITH
TRANSPARENCY

#INTEGRITY



CULTIVATING
INNOVATION

#INNOVATION



DEVELOPING
OUR
KNOW-HOW

#HUMAN



AIMING ALWAYS
HIGHER

#EXCELLENCE



Excellence at LISI is to place technology at the service of the teams, to ensure that ideas for improvements become reality on the ground. Simplicity, pragmatism, efficiency to achieve excellence.

Soraya Evain

Quality Director at Saint-Ouen-l'Aumône (LISI AEROSPACE)



Our 3P approach with our 7 axes

a real roadmap with short and medium term objectives to establish our CSR strategy

| |
|-------------|
| 2023 target |
| 2030 target |

PEOPLE

01. Protect our employees

TF1

7.0

5.0

02. Retain our talents

% of female executives

29%

ND

PLANET

03. Protect our environment

% of energy savings in MWh due to projects compared to the N-1 consumption

> 1%

> 1%

04. Work with our territories

% of sites in water stress areas with an action plan

100%

100%

PROFIT

05. Go beyond our customers' expectations

New products as % of sales revenue:

LISI AEROSPACE
LISI AUTOMOTIVE
LISI MEDICAL

ND

9.4%

8.3%

ND

ND

ND

06. Involve our suppliers

% of strategic suppliers assessed on CSR criteria

40%

100%

07. Secure our financial resources

Improvement of financial indicators in value and positive Free Cash Flow

We meet international standards, such as the Global Compact and the UN Sustainable Development Goals





Our brand
operational excellence and innovation
to meet the needs of tomorrow



Our teams work daily

to cultivate our purpose

2 INTERNAL EXPERTISE NETWORKS

Offers tailor-made training programs
(technical, personal development, leadership etc.)

Develops internal networks
that pool several sites, several countries,
businesses or divisions

01. Community of experts

Promotes collaboration between teams
R&D, scientific and technical segments
on focused topics
on product and process innovation
more than 150 employees

02. Digital community

Brings together digital game changers to support
business transformation
30 members across 7 countries

The LISI SYSTEM

our performance and operational excellence foundation in 3 programs



E-HSE LISI EXCELLENCE HSE

Measure and manage risk

An improvement program dedicated to health and safety issues and the preservation of the environment

Integrates an internal audit system to measure the level of program deployment across all sites



LISI EXCELLENCE ACHIEVEMENT PROGRAM

Achieve industrial excellence

Enables the plants to increase production quality and gain rigor through deployment of proven organizational systems

Organization by Units and Autonomous Production Groups (APU/APG)

Lean Management

Other specific tools (TPM, completion of SMED projects or Kaizen events. etc)



CONTROLLING OPERATING SYSTEM

Optimize management processes

Helps to procedures (administrative and management control) and make quick decisions to adapt to new market conditions

An essential capacity for innovation

in our plants and teams to contribute to the industry of the future

PRODUCTS INNOVATION

- ▮ Eco-design
- ▮ Active participation in the design of carbon-free aviation and the car of the future
- ▮ Creation in direct collaboration with our customers to manufacture their products of tomorrow

NEW TECHNOLOGIES


- ▮ 3D printing
- ▮ New multi-material assembly processes, metal deformation ... etc.

PLANT 4.0 & ARTIFICIAL INTELLIGENCE

- ▮ Collaboration with 15 start-ups to deploy digital solutions on site: *lean management, workforce planning, production planning, product life cycle, automated control, etc.*
- ▮ 2 solutions in the experimental phase on quality management and the investment process.

Robotics & Automation

Global approach to robotization and automation of certain manufacturing processes
385 robots used for 10,000 employees (compared to ~163 robots on average in France)



€32.1 M

Amount
of R&D expenses
in 2022

18

Inventions
in 2022*

*Invention disclosure filed in the form of a Soleau envelope
or 1st patent filing

Expertise in all of our businesses



Multi-specialist in a wide range of manufacturing processes

Deformation of metals: forging, forming, cold heading, extrusion, stamping, etc.

Metal additive manufacturing

Adjustment and treatment: machining, heat treatment, surface treatment.

Plastic injection



Recognized expertise in a host of areas

Forging, materials, surface treatment, machining, simulation, control & inspection, maintenance, design



In search of talent for the industry of tomorrow

Methods technician, forging operator, APU manager, production supervisor, simulation engineer, CNC operator, data analyst, machining technician, etc.

2,095

New recruits

680

Apprentices and trainees

155,000

Training hours



The Chaumont plant

An undeniable example of our CSR know-how and strategy

A 24,000 sq.m. building
delivered in 2022 for our industrial forge
activities

Harnesses
the latest production
technologies

Designed with the latest technologies
in energy saving, cogeneration
and recycling



Optimal flow organization
Reduced distances traveled
by the products in the plant
Industry 4.0
Centralized technical management
Building Information Modeling
...etc

Electro-intensive site partly using green gas from a
neighboring methane plant
Recovery of rainwater for industrial and sanitary
consumption
Heat recovery from machines to heat the building
...etc



The Melisey plant

A 4.0 plant at the heart of innovation

4 main assets



Mastery and flexibility of flows

Mastery of the supply chain with a service rate of 100% (IKS+Oplit)



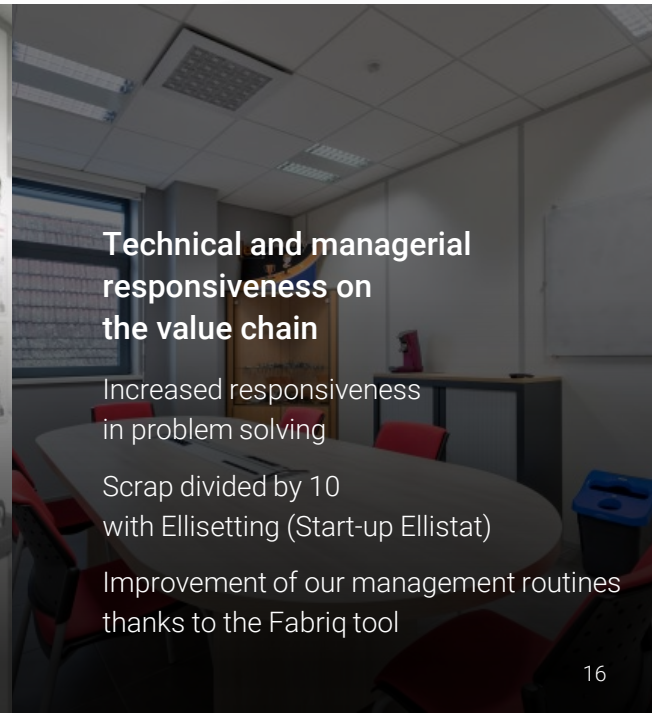
Full traceability of products within the plant

Increased autonomy of operators in the real tracking of production with the Aquweb MES



Satisfaction customer quality

50% reduction of quality incidents



Technical and managerial responsiveness on the value chain

Increased responsiveness in problem solving

Scrap divided by 10 with Ellissetting (Start-up Ellistat)

Improvement of our management routines thanks to the Fabriq tool

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AEROSPACE

By preparing the technologies of tomorrow,

we participate in the major
R&D programs to improve
the performance of tomorrow's aircraft

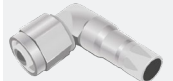
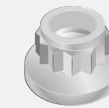
OUR AMBITION

Actively participate
in carbon-free aviation

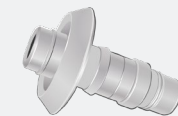
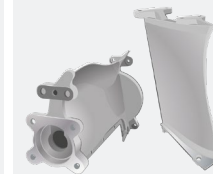
Almost 50 years of expertise
to develop
the aircraft of tomorrow,
safer and more respectful
of the environment

OUR FAMILIES OF ICONIC PRODUCTS

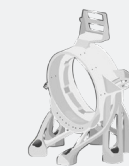
Fasteners
and Hydraulic
Fittings



Formed and forged
primary structure
components



Additive
manufacturing



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AUTOMOTIVE

Through constant innovation,

we contribute to improve the reliability and safety of the connected, autonomous, light and electric, vehicles of tomorrow.

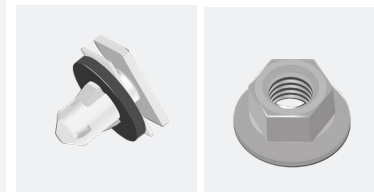
OUR AMBITION

Be a key contributor to the major transformation of the automotive industry

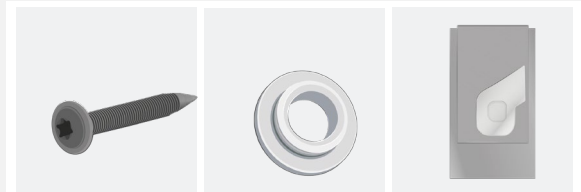
Connected vehicles, optimization of assemblies, automation, clean mobility, lightening etc.

OUR FAMILIES OF ICONIC PRODUCTS

Automobile standard-compliant assembly solutions



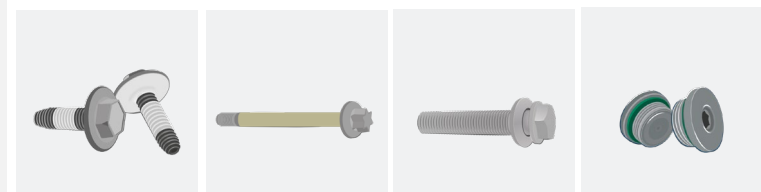
Multi-material assembly solutions



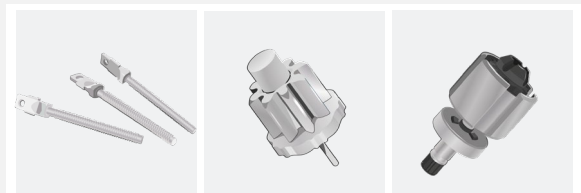
Assembly solutions to reduce noise and vibrations



Mechanical fasteners for electric traction chain



Mechanical components for the electrification of relative functions



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MEDICAL

By assisting our customers,

we bring our expertise on the industrial level of orthopedic implants and in the field of minimally invasive surgery

OUR AMBITION

Facilitate access to surgery for all

through a "more than a part" positioning

OUR FAMILIES OF ICONIC PRODUCTS

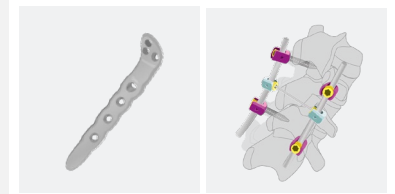
Minimally invasive surgery instruments



Reconstruction implants



Spinal and traumatology implants



LISI

The experience of a **246-year old** Group



€1.42 Bn

2022 Sales Revenue



9,676

Employees



41

Production facilities



13

Countries

A recognized differentiation



BEST MANAGED COMPANIES 2022

that distinguishes excellence, the quality of management and our performance.

B SCORE AT THE CDP 2022

that recognizes our policy of impact in favor of territories and climate change.



58/100

Le Point

TOP 250
most socially responsible companies

3
labeled sites



Awarding iconic French industrial achievements
Saint-Ouen-l'Aumône (LISI AEROSPACE)
Villefranche-de-Rouergue (LISI AEROSPACE)
Mélieux (LISI AUTOMOTIVE)

100%

of the production sites



EN 9100



IATF 16949



ISO 13485

86 %

of the certified sites



ISO 45001



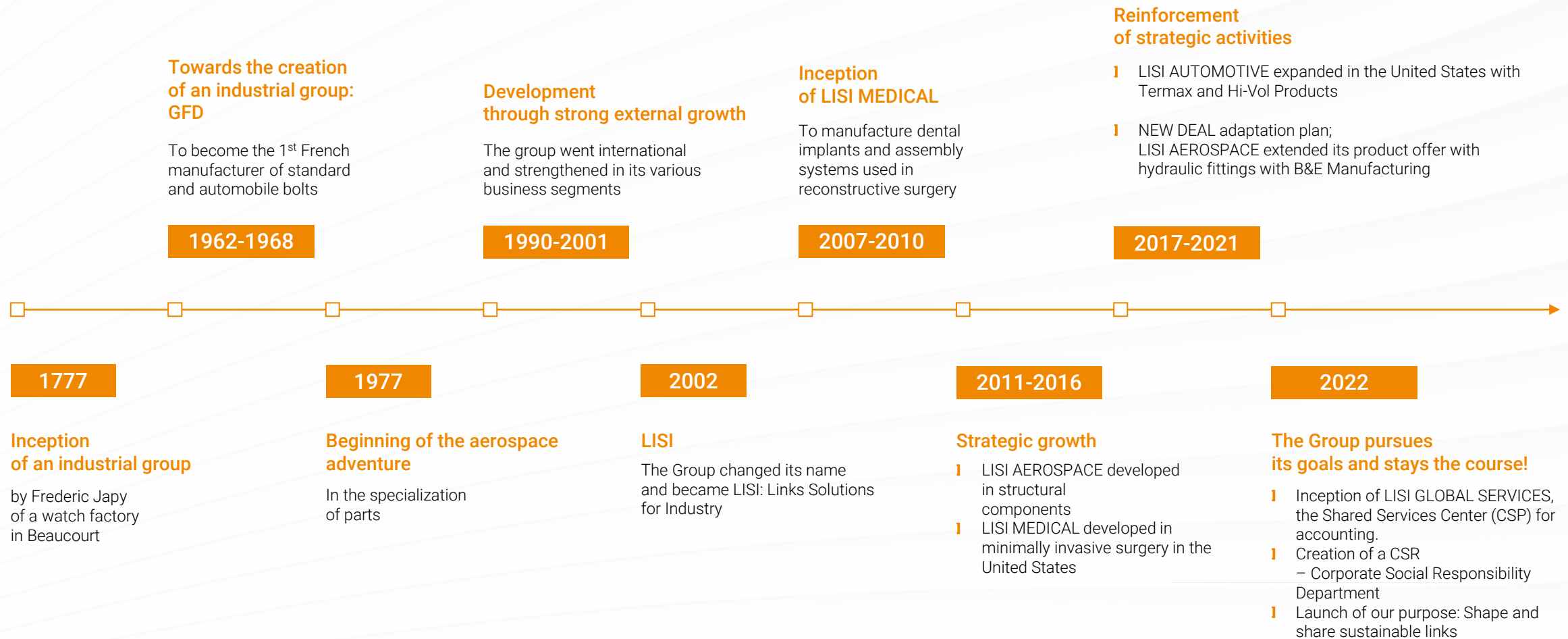
ISO 14001



EcoVadis Gold
that rewards the sustainability and quality of our CSR management

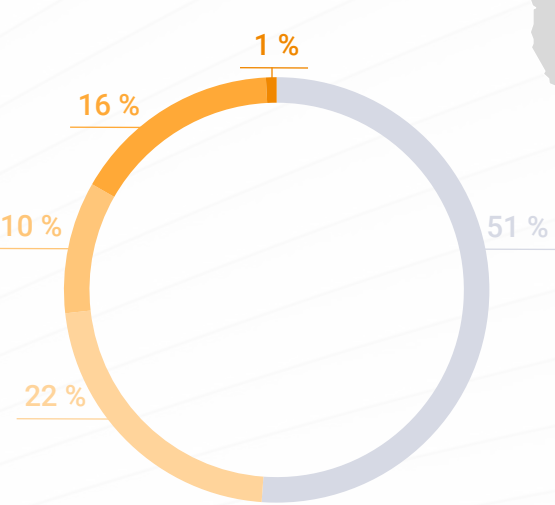
Since our inception

we have always morphed at fast pace to adapt to market developments



We produce worldwide

to be close to you, wherever you are



■ France ■ North America ■ Asia ■ Europe outside France ■ Africa



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AEROSPACE | AUTOMOTIVE | MEDICAL