



# GENERAL PRESENTATION

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- Aspen is a **global supplier** of branded and generic **pharmaceutical product**
- Aspen products are provided in more than **150 countries** around the world. Products are divided in **3 therapeutic categories** : Thrombosis, anaesthetics, cytotoxics
- **16 manufacturing sites** of pharmaceutical products on **6 continents** (North and South America – Asia – Africa – Oceania – Europe)
- More than **9 800 employees** all around the world





**ASPEN OSS**  
**THE NETHERLANDS**

**850 Employees**

Manufactures chemical and  
bio-chemical active  
pharmaceutical ingredients



**ASPEN NDB**  
**FRANCE**

**750 Employees**

Manufactures finished form  
pre-filled syringes & single-  
dose anesthetic and polybag



**ASPEN BAD OLDESLOE**  
**GERMANY**

**450 Employees**

Manufactures finished form  
tablets, creams, liquids and  
nebules





# OUR PFS PRODUCTS (*PRE-FILLED SYRINGES*)



## **FRAXIPARINE™ / FRAXODI™**

Low molecular weight heparin indicated for venous thromboembolic events

100 millions units

## **MONO EMBOLEX™**

Low molecular weight heparin indicated for venous thromboembolic events

30 millions d'unités

## **ARIXTRA™**

Unique synthetic injectable inhibitor of Factor Xa approved for a range of uses in VTE treatment/prophylaxis and treatment of acute coronary syndromes

30 millions units

## **DILUENTS**

Production of diluents syringes, for GSK vaccines, used for reconstitution of vaccines prior to injection or oral administration

15 millions units

## **DILUENTS NaCl**

Production of diluents syringes for Sanofi, used for reconstitution of Hæmophilus influenzae type B vaccines for Japanese Market

5 millions units





# OUR BFS PRODUCTS (*BLOW FILL SEAL*)



46 Million single-dose (polyethylene and polypropylene ampoules)

## Polyamp PE

- Citanest
- Marcaine
- Xylocaine
- Xylocard

## Polyamp PP

- Carbocaine
- Marcaine
- Naropeine
- Xylocaine

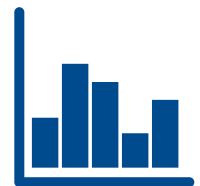
350 000 polybags

## Polybag

- Naropeine





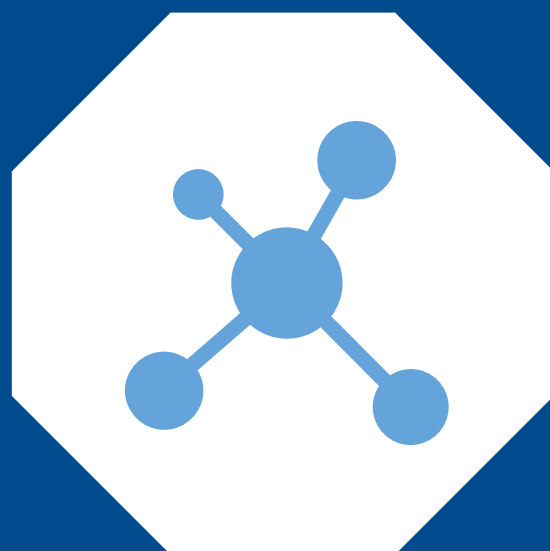


# OUR KEY FIGURES



750

Employees



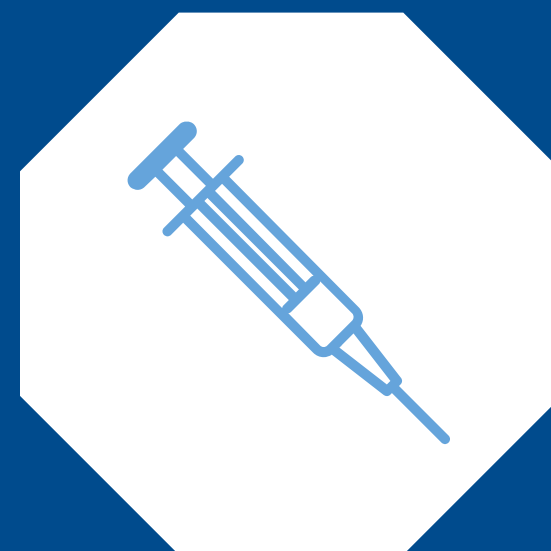
3

Active ingredients



275

SKU shipped



180

Million  
units shipped



92%

Of production  
shipped  
internationally  
(56 countries)



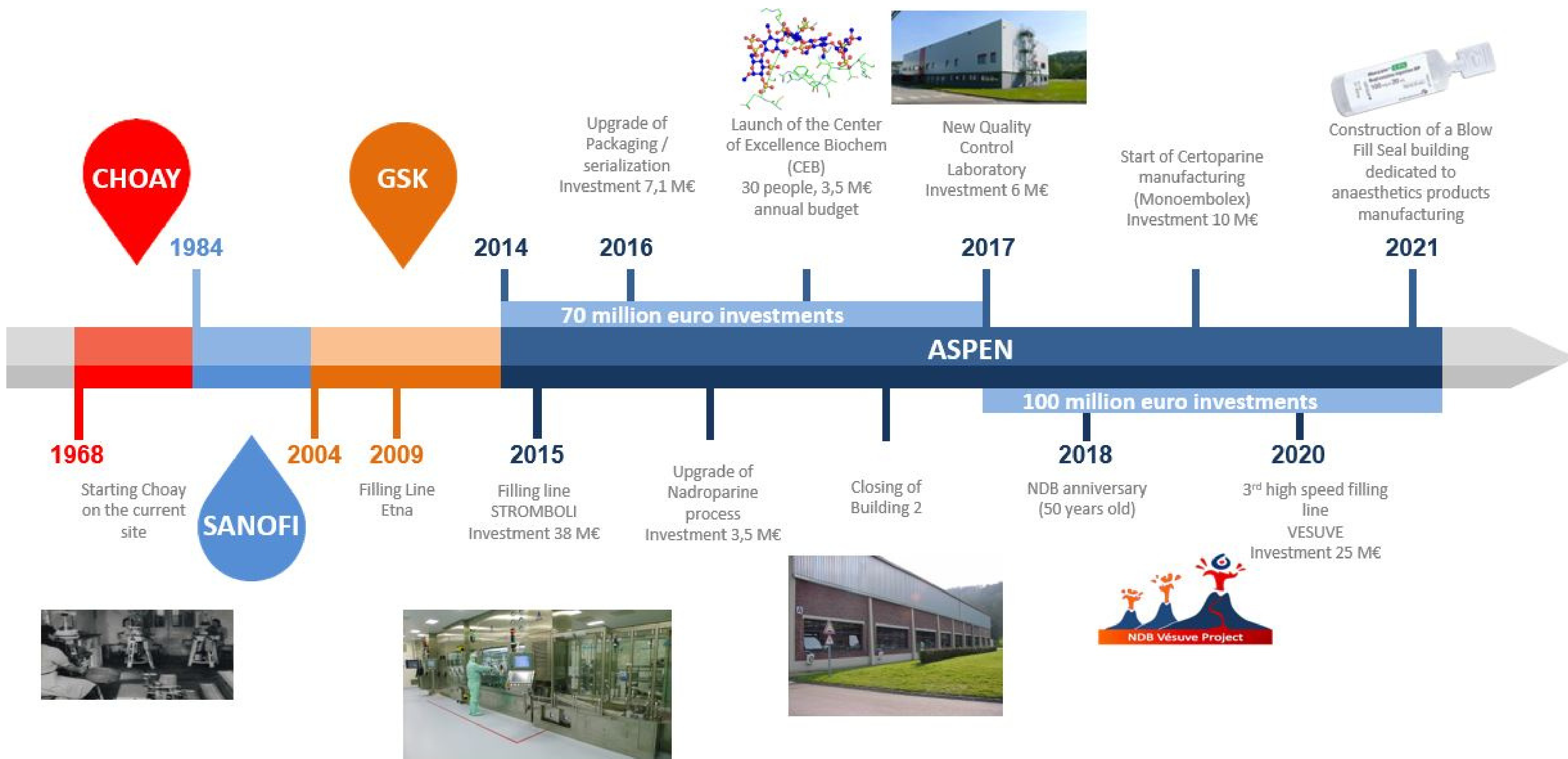
95%

OTIF  
(customer service)





# OUR HISTORY







# NDB PEOPLE



**Integrity  
Innovation  
Excellence  
Commitment  
Team work**



**A reliable and  
committed  
partner for  
sterile products  
of excellence**





# NDB PEOPLE (2020)



**809**

Employees &  
Subcontractors

**46%**

women

**54%**

men

**37**

trainees

**92/100**

Professional  
equality score

**24**

pharmacists

**65**

on-the-job  
training students

**13228**

training hours



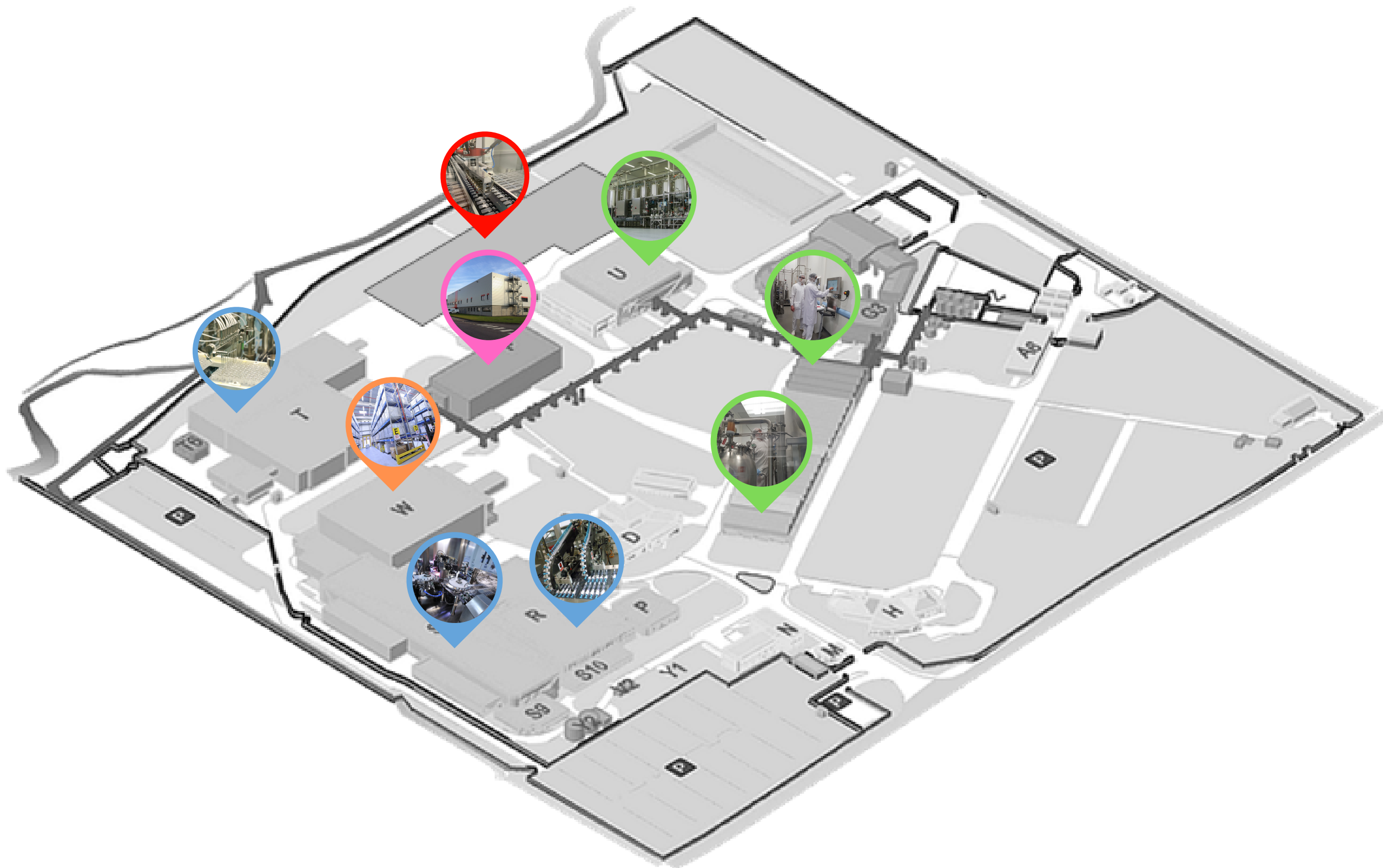


Our human values and strive for  
excellence serving **life**

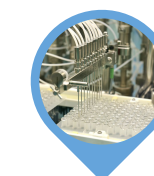




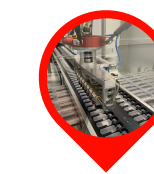
# OUR SITE



3 API workshops :  
Certopatine, Nadroparine  
et Fondaparinux



PFS Production : Filling,  
Inspection and Packaging



BFS Production : Filling,  
Inspection and Packaging

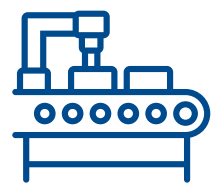


Laboratories



Warehouse





# OUR PFS PRODUCTION FACILITIES



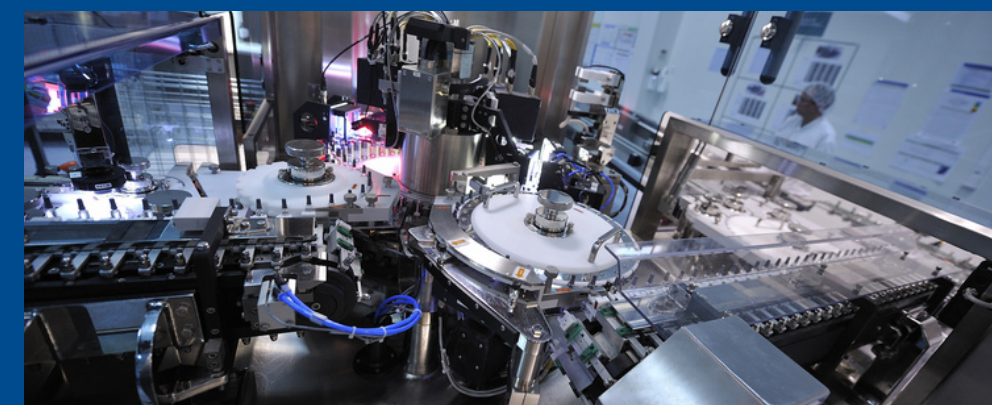
**3 API MANUFACTURING  
WORKSHOPS**



**3 STERILE  
FILLING LINES**

**3 INSPECTION  
LINES**

**6 PACKAGING LINES**







**SODIUM FONDAPARINUX:  
ARIXTRA™ API**

**36 BATCHES PER YEAR**



**NADROPARIN CALCIUM:  
FRAXIPARINE™ API**

**200 BATCHES PER YEAR**



**SODIUM CERTOPARIN:  
MONOEMBOLEX™ API**

**45 BATCHES PER YEAR**





# SYRINGE FILLING FACILITIES



## ETNA

80 MILLION UNITS



## STROMBOLI

120 MILLION UNITS



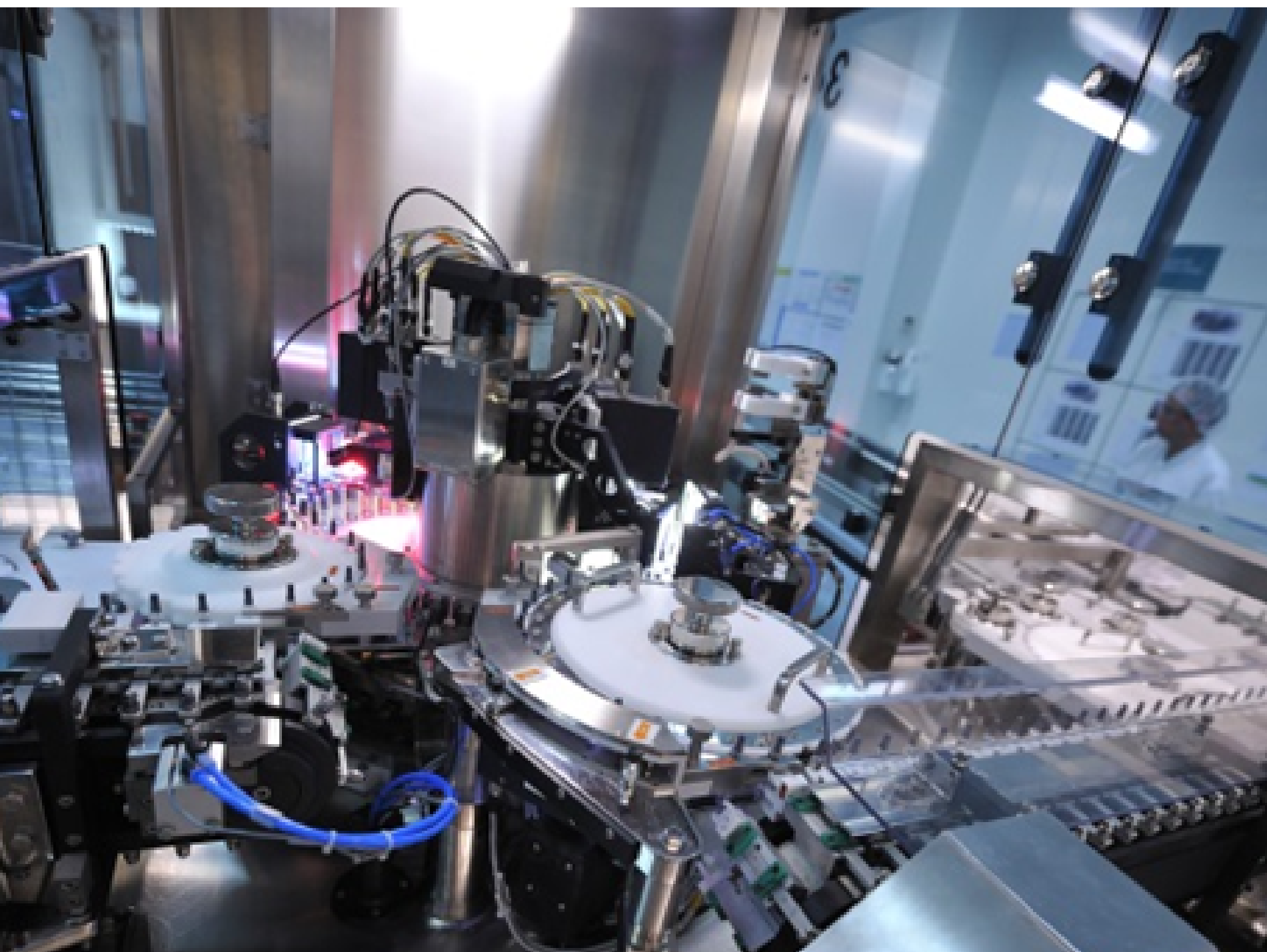
## VESUVE

180 MILLION UNITS





# INSPECTION AND PACKAGING FACILITIES



## INSPECTION

3 LINES



## PACKAGING

6 LINES





# LABORATORIES AND WAREHOUSE



## LABORATORIES

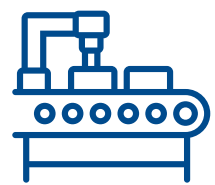
3 DIVISIONS (PHYSICAL CHEMISTRY,  
MICROBIOLOGY, PACKAGING ITEMS CONTROL)



## WAREHOUSE

7000 PALLETS - 15 METER HIGH





# OUR BFS PRODUCTION FACILITIES



**2 ROTARY FILLING TECHNOLOGIES  
BLOW FILL SEAL (BFS) HIGH  
CAPACITY**



**3 AUTOMATIC INSPECTION  
EQUIPMENT AND IN-LINE LEAK  
TESTINGS**

**3 TERMINAL  
AUTOCLAVES**

**1 FILLING TECHNOLOGY  
OF RIGID BAGS**



**2 PACKAGING LINES**





## CEB

Main mission for the supply chain and production of Biochem ASPEN products:

- Provide technical support
- Define a common quality and regulatory approach
- Provide supervision from a performance and project management point of view

## CES

- Mutualize key skills
- Actively participate in international conferences, seminars and forums (PDA, SFSTP, PIC, etc.)
- Harmonize practices (Quality, Regulation...)
- Develop skills / aptitudes for the future
- Assist sites and external partners in problem solving and technology choices
- Improve the sites and the supply chain performance





# OUR COMMITMENTS

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# THE NDB SITE WAY OF LIFE



MANDELA DAY



A DYNAMIC COLLECTIVE



A COMMITTED TEAM



INVOLVED EMPLOYEES







## QUALITY COMMITMENT



Quality is at the heart of our business.  
Our site is certified by the international  
health authorities where we export.

Aspen NDB site has a Management System  
certified by DQS for **ISO 45001, ISO 14001** and  
**ISO 50001** standards

Based on continuous improvement, our SHE policy  
reflects the management's commitment into  
areas for progress such as:

- Reduction of injuries
- Improvement in Quality of WorkLife
- Control of energy consumption and quantity of waste
- Control of environmental aspects and risks of pollution
- Compliance with our commitments to the authorities and the Aspen Group

## SSE COMMITMENT

