

# L.I.F.E. comes to life

Europe's most modern IV solution  
manufacturing facility



**B | BRAUN**  
SHARING EXPERTISE

# Investment in Europe



For more than 165 years, B. Braun Melsungen AG has been committed to continuously improving human health.

Today, the family-owned company is a global healthcare partner; B. Braun's products are manufactured and distributed around the world.

The construction of the new manufacturing facility for IV solutions, Leading Infusion Factory Europe (L.I.F.E.), marks another milestone in the history of B. Braun Melsungen AG.

This important decision was based on:

- the success of "Ecoflac® plus," the IV container that has become standard in clinical practice
- the dedication of employees and corporate management
- the use of state-of-the-art industrial manufacturing techniques

These factors have paved the way for the largest single investment in Germany in the company's history and ensure the continued success of B. Braun Melsungen AG.

# The Success Story of Ecoflac® plus

Introduced in 1997 as a global innovation in the market of IV solutions, Ecoflac® plus was developed to meet the demands of clinical practice. The container has developed into the top-selling product in the European market and today is distributed in more than 70 countries around the globe.

Ecoflac® plus increases safety and reliability, especially when adding medications such as antibiotics.

The success of this product necessitated increased production capacities. With the new facility, the capacity of IV solutions that can be produced has tripled.



Ecoflac® plus combines the benefits of a bag with those of a bottle.

## Bottle

- + transparent
- + clear label
- + good grip

## Bag

- + unvented use
- + unbreakable
- + light weight

## Additional product features

- + non-PVC/latex-free
- + 2 resealing ports

= Ecoflac® plus  
top performance in all  
clinical applications

# Dedicated to Investment

At its German location, the company can take advantage of a broad basis of expertise in manufacturing, process control, and quality assurance.

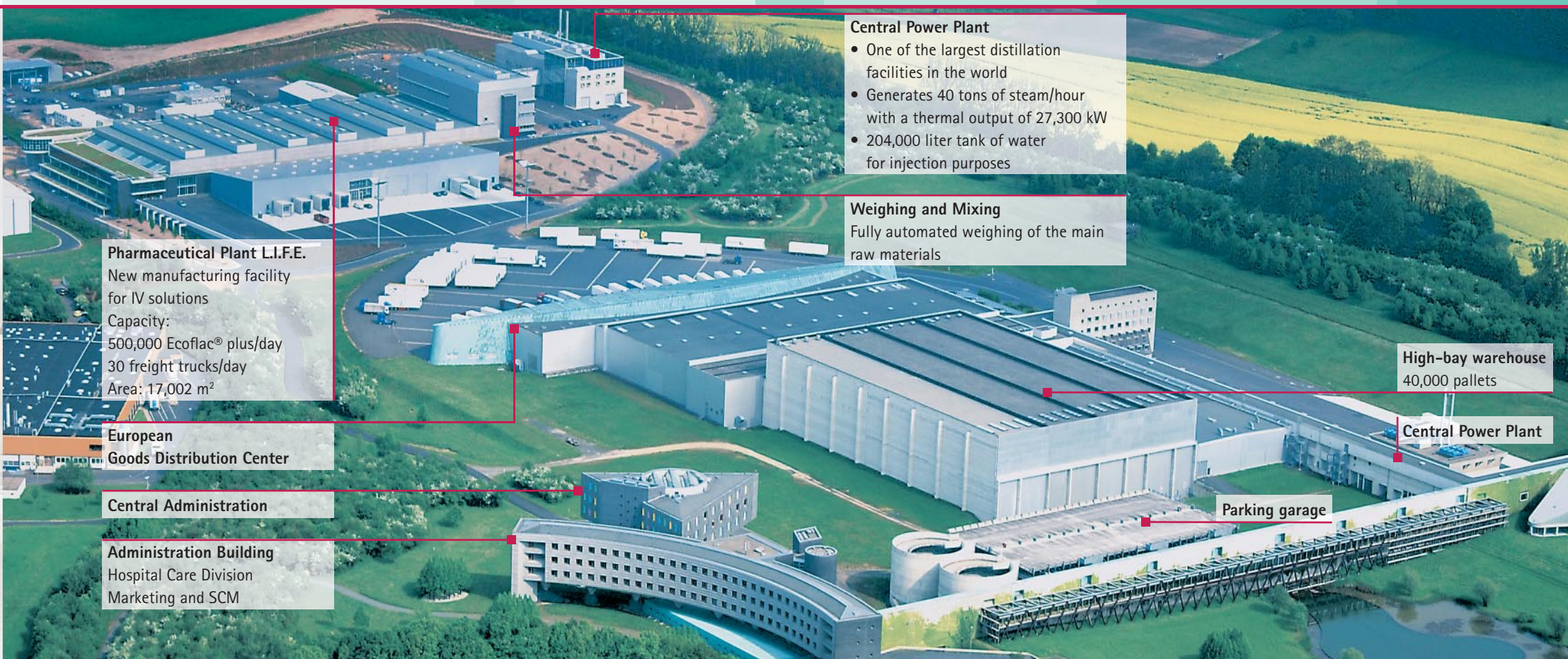


Corporate management and employees together reached the decision to make the joint investment. As part of an in-house agreement to work 520 hours overtime during the next five years, employees at the Melsungen site are making a significant contribution to the success of the new manufacturing facility.

This exemplary commitment helps ensure the future of the Melsungen site in the heart of Europe.

# Pfieffewiesen Manufacturing Facility –

# City of Industry



## Pharmaceutical Plant L.I.F.E.

New manufacturing facility for IV solutions

Capacity:

500,000 Ecoflac® plus/day  
30 freight trucks/day

Area: 17,002 m<sup>2</sup>

European  
Goods Distribution Center

Central Administration

Administration Building

Hospital Care Division  
Marketing and SCM

## Central Power Plant

- One of the largest distillation facilities in the world
- Generates 40 tons of steam/hour with a thermal output of 27,300 kW
- 204,000 liter tank of water for injection purposes

## Weighing and Mixing

Fully automated weighing of the main raw materials

High-bay warehouse  
40,000 pallets

Central Power Plant

Parking garage

# A New Standard in Production Technology



Europe's most advanced manufacturing facility for IV solutions combines ultra-modern technologies from various domains, for instance the automobile and food industries. With new patented systems, B. Braun Melsungen AG will maintain its innovative edge for years to come, thus ensuring its ongoing international competitiveness.

This innovative edge is characterized by:

## **The manufacturing process for Ecoflac® plus:**

Using "blow-fill-seal" technology, the product is manufactured in a single closed production process. This system, the largest-capacity facility in Europe, was developed in cooperation with a process specialist and patented by B. Braun Melsungen AG.

## **Automation in manufacturing:**

All production facilities and control systems are completely automated. This sets a new standard in pharmaceutical production and guarantees maximum precision and safety.

## **Electronic Batch Recording:**

Electronic Batch Recording (EBR) allows a superior level of quality assurance, thus guaranteeing safety and reliability in clinical application. Furthermore, a dedicated IT system ensures consistent, paperless documentation of the entire production process.

This production technology meets the standards of tomorrow's market today.

# Sustainability – for the Future

Trust is a company's most valuable asset – the trust of our employees and the trust of our customers.

In building the new manufacturing facility, B. Braun Melsungen AG is committed to the principle of sustainability in all areas:

- ensure optimal delivery performance
- establishing a new industrial standard in pharmaceutical manufacturing through improved production and automation technologies
- top level execution of customers' orders
- responding to customer needs
- ensuring competitiveness
- maintaining the highest level of quality assurance
- achieving flexible production planning

Through this combination of innovation, dedication, and expertise, B. Braun Melsungen AG has succeeded in revolutionizing pharmaceutical manufacturing in Europe.

The new manufacturing facility features a bright, transparent work environment, providing employees with a pleasant working atmosphere in harmony with the landscape.

With its innovative energy distribution system, intelligent air-conditioning technology, water conservation program, and use of photovoltaic energy, B. Braun Melsungen AG does more than just talk about environmental awareness in its endeavor to reconcile ecological needs with economic realities.

You are invited to become better acquainted with this fascinating manufacturing facility – either through the enclosed video or during an on-site tour of the Melsungen plant. Our sales representative would be delighted to arrange your visit.

We look forward to seeing you.

# Video

## Video (Length: 13 min.)

Version 1: .wmv

(Windows Media Player)

Version 2: .avi (DivX Player)

This CD-ROM also contains the recommended software for playing the videos.

### Minimum hardware requirements:

- CPU: Intel® Pentium® II CPU or AMD® K6 or higher, min. 650 MHz
- RAM: min. 32 MB
- Graphics card: 32-bit color (True Color mode)
- CD-ROM drive: 24x or higher is recommended

### Operating system:

Microsoft® Windows™ 95/98/  
ME/2000/XP





**B. Braun Melsungen AG**

P.O.Box 1120

D-34209 Melsungen

Tel + 49(0) 56 61 71-0

[www.bbraun.com](http://www.bbraun.com)