

# Nemera

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[www.nemera.net](http://www.nemera.net)

**A PRODUCT  
FOR PATIENTS  
CREATED FROM  
PATIENTS' NEEDS**

**A NEW  
IDENTITY  
FOR A  
RENEWED  
COMMITMENT**

***Innovating  
for patients***

**A  
COMPANY  
is REBORN**

**... changing from Rexam  
Healthcare Devices  
to Nemera**







## EVEN MORE PASSIONATE, INNOVATIVE AND AMBITIOUS

***"Today, an exciting new adventure begins.***

*I am very pleased to introduce you to Nemera, our new company name. We work hand-in-hand with pharmaceutical companies to design, develop and manufacture the drug delivery devices that help patients every day.*

*By focusing on solutions that make patients' lives easier and safer, we have built a strong portfolio of innovative proprietary products and technologies. Over the next five years, you will see many more of Nemera's own products being used by patients who take medication for asthma, glaucoma, allergic rhinitis, amongst other conditions.*

*Our customers trust our teams to deliver flawlessly and on-time in industrializing and manufacturing their devices. Our ambition is to grow Nemera by fifty percent by 2018. To do so, we will keep investing in new products, state-of-the-art manufacturing equipment and clean rooms, all with the goal of providing more and more patients, all over the world, with reliable and robust dispensing devices."*

Marc Haemel, CEO

# NOVELIA®: A PRODUCT FOR PATIENTS CREATED FROM PATIENTS' NEEDS

The development of Nemera's multidose preservative-free eyedropper illustrates perfectly our patient-oriented innovation process.

## 1 Patients suffer because of preservatives in eye drops

Scientific research shows that preservatives cause irritations and other side effects to the eye, thus jeopardizing adherence to treatments.

### > DEVELOP A BRIEF STARTING WITH THE PATIENT

We decided to develop a brand-new preservative-free device which would be simple and patient-friendly, able to handle new viscous drugs, affordable, easy-to-fill and above all, safe for patients.

### THE PATIENTS' VOICE

100 eyedropper patients with chronic eye treatments were interviewed in July 2011. Novelia® colored tip was rated as the preferred preservative-free multidose eyedropper!



## 2

### The best design to make eye drops safe

Creativity meetings were organized and concepts generated freely. After a "quick kill" of unpractical solutions, a comparison matrix was set up for decision-making. 3D mock-ups were produced for testing by healthy patient volunteers.



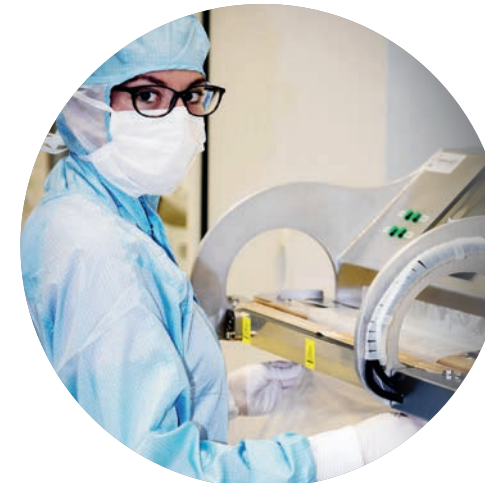
## 3

### Verified product performance and user interface

The selected Novelia® concept was a standard squeezable bottle, dispensing the drops while maintaining sterility. Its one-way valve was easy for patients to actuate but strong enough to prevent contamination. After the first patients' tests, a blue tip was introduced to improve the "precision" of drop delivery felt by the patients and then retested for validation.

#### > DESIGN FOR MANUFACTURING

We performed a full review to create a detailed manufacturing-compliant design including a verification plan to avoid risks of non-quality. As it is impossible to test filters at 100% during production to fully guarantee the safety of the patient, we selected a patented alternative venting technology to replace formulation in the bottle by non-contaminated air.



### PROVEN EFFICACY

4,800 products have been tested from November 2009 to assess Novelia's sterility performance.

## 4

### A reliable process to guarantee quality

The cooperation between the Innovation Center and La Verpillière plant teams which started during Step 3 became evident. A pilot assembly machine was developed with associated injection molds in order to assess the design robustness and de-risk the industrial process.

## 5

### Mass production for the benefit of patients

The La Verpillière plant teams now take the lead with the support of the innovation team on the product functionality. A high-speed assembly line with 100% controls in a brand new clean room started on schedule.

### IN 2014

Patients use Novelia® with over 10 products across 4 continents.





## A NEW IDENTITY...

### A NEW NAME

- From the Greek **Emera**, meaning **day: renewal, fresh hope, life**
- From the Hebrew and Arabic **Nemer**, meaning **leopard: swiftness, efficiency, agility**

# Nemera

### A NEW LOGO

- Orange for **warmth** and **health**
- Italics for **dynamism**
- Lower case and **roundness** for **proximity**
- The **energy** of the capital N, a symbol for **technology** and **innovation**

## FOR A RENEWED COMMITMENT

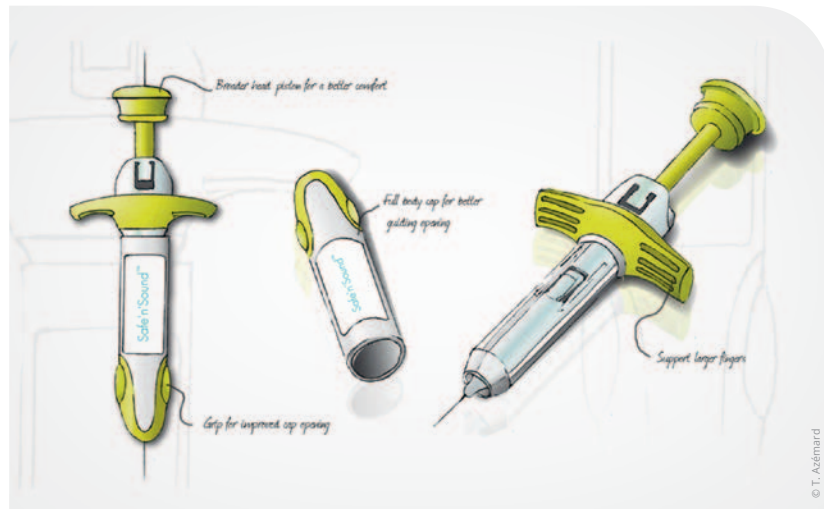
we put  
patients  
First

### A STRONG BRAND STATEMENT

Our renewed commitment to provide safe and accurate delivery devices.  
**Even more freedom, comfort and hope of faster recovery for the patients.**

# INNOVATING FOR PATIENTS

Innovating for patients is **at the core of Nemera's mission**. Over 50 engineers & experts work to achieve this at the Innovation Center at La Verpillière near Lyon, France.



Nemera's concepts for an ergonomic Safe'n'Sound®

> **The scope of the Innovation Center includes the collection of patients' insights, market watch, concept generation, IP monitoring, regulatory expertise, detailed risk based design, design for manufacturing & support for plants for product life-cycle management & problem solving when appropriate.**

**Patient insights & human factor studies at the Innovation Center**  
 Technical expertise and patient usability always work hand-in-hand. Along with the many fields of technological expertise (like material, mechanical and manufacturing engineering, math models and other), creative design and usability assessment

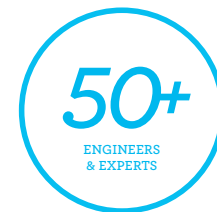
are central to product development. The Innovation Center carries real world evaluations, through impartial volunteers and collects user feedback. Sophisticated technologies, like fast camera tracking, give engineers an inside view of the way the device is used, making it safe and accurate for the patient.

### Proprietary devices and contract development

We apply the same quality-oriented process to the development of proprietary devices and to customized solutions under contract with laboratories. The development quality team guarantees full compliance not only of the final device but of all the development chain. A strong program management ensures that the project is delivered on time and in budget.

**"THE PATIENTS' VOICE IS THE KEY DRIVER OF NEMERA'S PRODUCT DEVELOPMENT"**

Dimitri Grasswill,  
 Innovation Director.



**OVER 1,300 EMPLOYEES**

**OVER 30,000 SQM OF CLEAN ROOM MANUFACTURING**

Nemera's industrial teams share a belief that the devices they manufacture have an impact on patients' health. That is why quality is so critical to them.

**CHALLENGE**  
**10,000**

100% OTIF (ON TIME IN FULL)    +0 ACCIDENT AND FIRST AID    +0 CUSTOMER NOTIFICATIONS

Every month, this comprehensive quality rating assesses Nemera's four industrial sites' capacity to deliver on time and accurately the world over, to keep operators safe from even minor incidents, and to satisfy customers and patients.

**4 PLANTS IN EUROPE & THE USA**



- Neuenburg, Germany
- La Verpillière, France
- Le Tréport, France
- Buffalo Grove, Illinois, USA

**NEMERA INVESTS IN DEVICES GROWTH**

**LA VERPILLIÈRE AND LE TRÉPORT WERE BOTH EXTENDED IN THE LAST 2 YEARS**

## INTERVIEW

# 100% QUALITY FOCUSED IN MANUFACTURING

by Christian Meusinger, Nemera Vice President Quality, Regulatory and Compliance

### Why is quality so important for Nemera?

Our Quality is made by people for people who trust the functionality & effectiveness of our products and devices. Quality is the key driver in our organization to ensure that patients will receive the best product and service possible.

### What are the differentiating measures you take to secure quality?

Quality is a result of highly capable processes and efficient systems. Based on Risk Assessments we are focusing early on to design capability into our processes in order to minimize process variation and eliminate deviations. Regular trending of our processes along with

selected product controls are applied to confirm product conformance and performance, unit by unit.

### How can you illustrate your achievements in terms of quality?

Significant reductions of customer notifications, up to 30% year on year, are the primary indicator to evaluate how we are doing in our quality performance. We also track other leading indicators only developed with the key objective of eliminating critical defects, reducing the number of deviations and finally ensuring customer satisfaction. Customer survey results and the improvements achieved give us confidence that we are on track to achieve our goals.



**OVER 5 MILLION DIABETICS AND 10 MILLION ASTHMATICS RELY EVERYDAY ON DEVICES MANUFACTURED BY NEMERA**



BECAUSE  
IT MATTERS  
FOR  
PATIENTS'  
HEALTH

## DEVICES ARE KEY TO DRUG EFFICACY!

Accurate **dosing** and **ergonomics** contribute to patient adherence to treatment. That is why, at Nemera, we put patients first when **designing, developing and manufacturing drug delivery devices**. Whether they are Nemera proprietary or customer owned, they benefit from the utmost care because we know how critical they are for patients' health.

Nasal, Buccal, Auricular

### USER-INDEPENDENT & PRESERVATIVE FREE SPRAYS OF RELIEF

After the SP270, our standard spray pump for ear, nose and throat, **Advancia®** is a new breed of pharmaceutical pump combining user-independence and preservative-free features in one single system. Advancia® offers a new alternative to improve treatment compliance in an increasingly demanding nasal spray market.



Parenteral

### SAFETY FROM NEEDLE-STICK INJURIES

Adding a passive automated safety feature to prefilled syringes, **Safe'n'Sound®** protects patients and caregivers from contamination by blood-borne diseases. Robust and versatile, it comes in different formats and can be combined with ergonomic accessories.

Ophthalmic

### NOVELIA® PRESERVES THE PATIENTS' EYES NOT THE DRUGS

Because preservatives are harmful to patients' eyes and may jeopardize adherence to treatments, **Novelia®** is the user friendly, preservative-free eye dropper with a precision blue tip.



Dermal - Transdermal

### GENTLE APPLICATIONS

**SofBag™** is a high-performance airless dispensing device designed especially for pharmaceutical gels and creams. It brings precise dosing and protection for topical and transdermal formulations.



Pulmonary

### PATIENTS CAN AFFORD EASY BREATHING

Consistency and reliability are critical for respiratory patients. **Inhalia®** is a new generation of valve for pressurized metered dose inhalers (pMDI).





TODAY  
IS A NEW DAY...



*Nemera*

Rexam Healthcare Devices becomes Nemera

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