## MORTEN DUUS ERIKSEN

Senior Global Freight Manager, Novo Nordisk





## Outcome of todays session

- How does Novo Nordisk maintain/develop a resilient Supply Chain in a fast-growing business?
- An insight into
  - Disruptions and challenges in the supply chain
  - A Systematic approach to resilience
    - Risk management
    - Supply Chain Design
    - Collaboration



Novo Nordisk company presentation

# Novo Nordisk at a **glance**

Novo Nordisk is a leading global healthcare company, founded in 1923 and headquartered in Denmark.

Our purpose is to drive change to defeat serious chronic diseases, built upon our heritage in diabetes. We do so by pioneering scientific breakthroughs, expanding access to our medicines, and working to prevent and ultimately cure disease. Supplier of nearly

50%

of the world's insulin

Net sales

232.3

billion DKK

Affiliates in

80

ountries

More than

64,000

employee

**Total tax contribution** 

51

billion DKK

Obesity

**R&D centres** in China, Denmark, India, UK and US



Strategic production sites in Denmark, Brazil, China, France and US Globally, serving

41.6

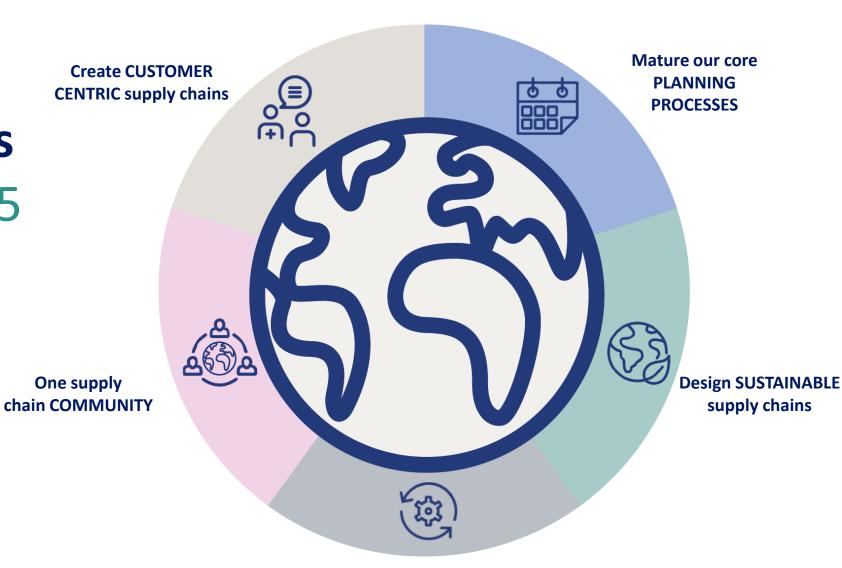
million people living with diabetes and obesity



pharma company measured by market value<sup>1</sup>



# Five strategic focus areas towards 2025



Secure ROBUST supply chains

## Novo Nordisk is growing like never before

#### Bloomberg

Novo Nordisk surpasses LVMH and becomes Europe's most valuable listed company

#### THE WALL STREET JOURNAL.

#### America's Obsession With Weight-Loss Drugs Is Affecting the Economy of Denmark

Novo Nordisk's market capitalization has matched the GDP of its home country

#### **Forbes**

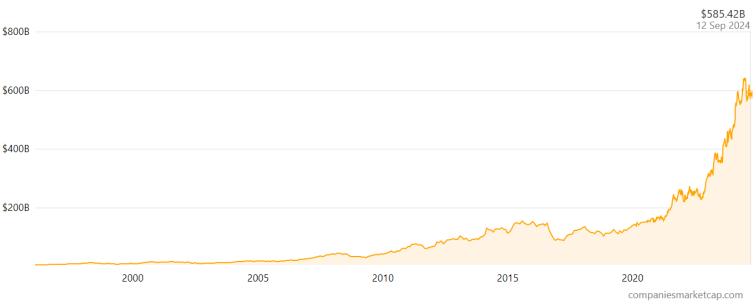
Shares of Novo Nordisk, which also makes the popular drug Ozempic, have also experienced a drastic rise since the start of the year, climbing nearly 38% on the year so far and increasing nearly 16% on Tuesday to a record high of more than \$187.

#### Market capitalization of Novo Nordisk (NVO)

Market cap: \$585.42 Billion

As of September 2024 **Novo Nordisk** has a market cap of **\$585.42 Billion**. This makes Novo Nordisk the world's **15th** most valuable company by market cap according to our data. The market capitalization, commonly called market cap, is the total market value of a publicly traded company's outstanding shares and is commonly used to measure how much a company is worth.

#### Market cap history of Novo Nordisk from 1996 to 2024



# Growth opportunities and the global situation call for a larger, more robust and flexible manufacturing network

Very challenging geopolitical situation

Pressure on global supply chains

More than double sales within the next decade

Expanding into new therapy areas and technologies

Security threats

New significantly higher cGMP requirements

Zero CO<sub>2</sub> from own operations and transport by 2030

### **Supply Chain resilience – A systematic approach**









Risk Management Culture

**Supply Chain Design** 

**Agility** 

**Collaboration** 

#### **SUPPLY CHAIN DESIGN**

## No production without a backup and multiple locations for large volume and high value



#### Small<sup>1</sup> volume production

To protect against major supply disruptions, production should be performed on two separate locations<sup>2</sup>



#### Large<sup>1</sup> volume production

To protect against major supply disruptions, large volume production should be split on a minimum of three separate locations<sup>2</sup>



#### **Regulatory flexibility**

To reap the value of a network designed for backup we must achieve a minimum of two regulatory approvals for every product



#### Value concentration

To limit the risk associated with site-level catastrophes, **maximum 20% of NN revenue** can be produced at a single location

#### **CHANGE IS HAPPENING FASTER THAN EVER**

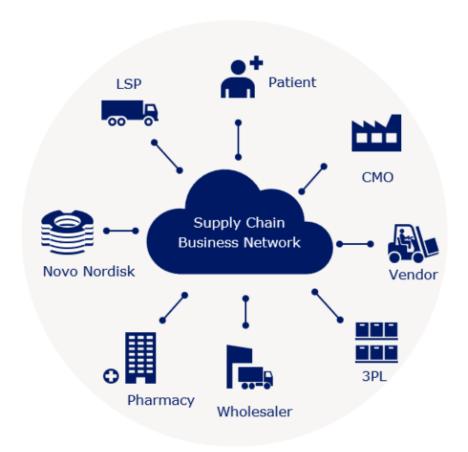
# Developing our principles to cater for growth, production risk and market volatility



### Collaboration with stakeholders to strengthen supply chain

Collaboration with other companies on

- Distribution and warehouse network
- Sustainability



#### **LET'S SHARE**

## Learnings and topics for your reflection



*Key learnings to share with you:* 

- Systematic approach to get a resilient supply chain
- Need for clear guiding principles
- Resources needs to be in place to be ahead of the curve
- Prioritization is key to meet demand





