



The Future of Finance

Feodor's disciples

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The leading practices in finance are changing due to a fiercer competitive landscape in the pharmaceutical industry



Situation

The pharmaceutical industry is displaying a **strong competitive environment** with a heavy downwards pricing pressure. The finance function is forced to do more with less, and the difference in performance between the least- and most digitalized finance organizations is exponentially increasing.



Complication

Due to the **future increasing needs** in finance for quick adaptation, support decision agility, and global digital solutions, it is crucial for Lundbeck to **adapt** and **realize** the opportunities in those significant areas to become a **top financial performer**.

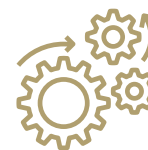


Question

Which **initiatives** and **implementations** would enable Lundbeck's finance organization to live up to future needs, become best-in-class, and thereby better **support Lundbeck globally**?



Answer



Simplification, automation, and standardization of financial processes will support the execution of Lundbeck's "Expand and Invest to Grow" and ensure the **future success** of Lundbeck. This will be done through several artificial intelligence tools such as RPA, Machine Learning, and Chatbots.



It will **allocate people** from the low value adding activity, Operational Finance, to the higher value adding activities, Business- and Specialized Finance.



This will help Lundbeck in **living up to future increasing needs** for financial operations, increase profitability, and become a top financial performer.

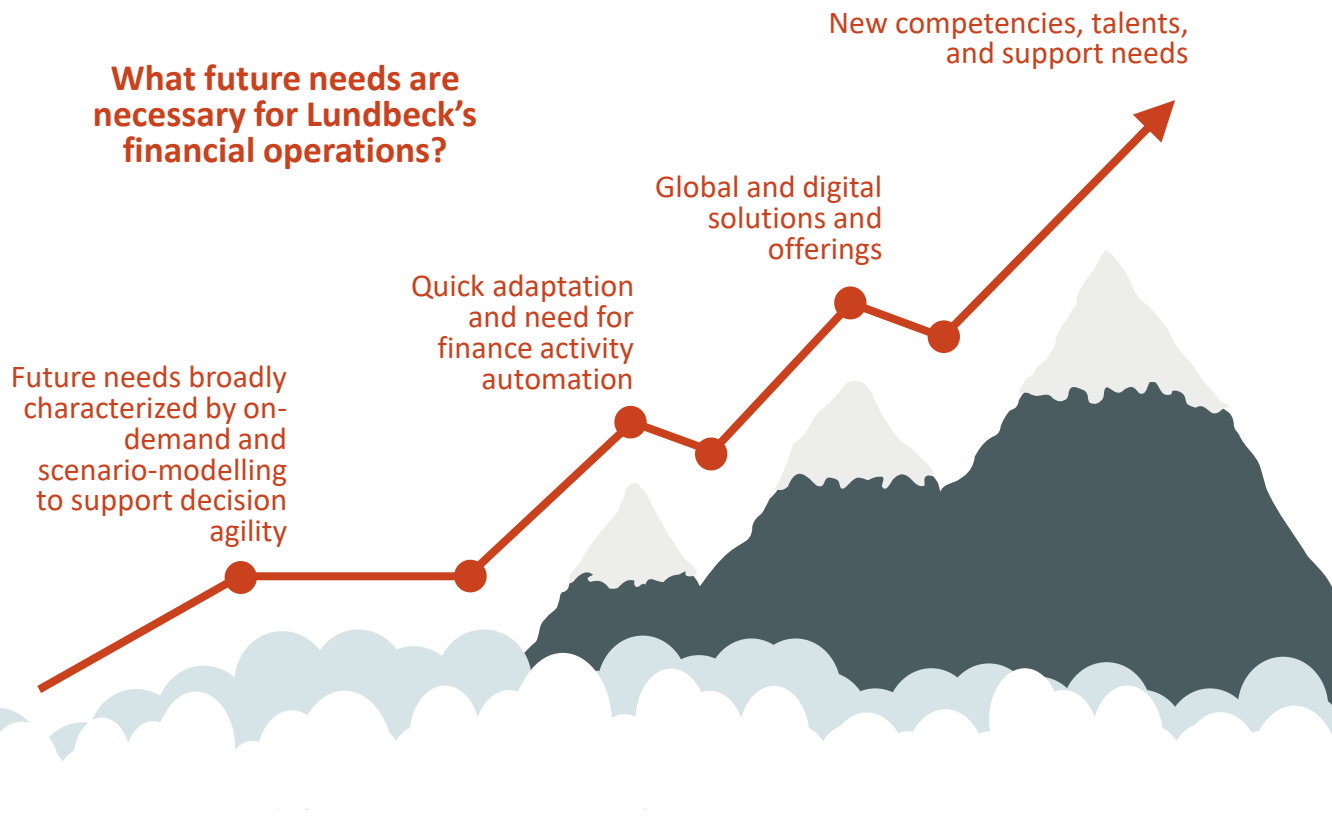
The future needs for financial operations emphasize new solutions and revolve around processes, people, and systems



We need to optimize our processes, people, and systems – both locally and globally.

*Bjørn R. Mogensen,
Senior Vice President
Group Finance*

What future needs are necessary for Lundbeck's financial operations?



Industry insights

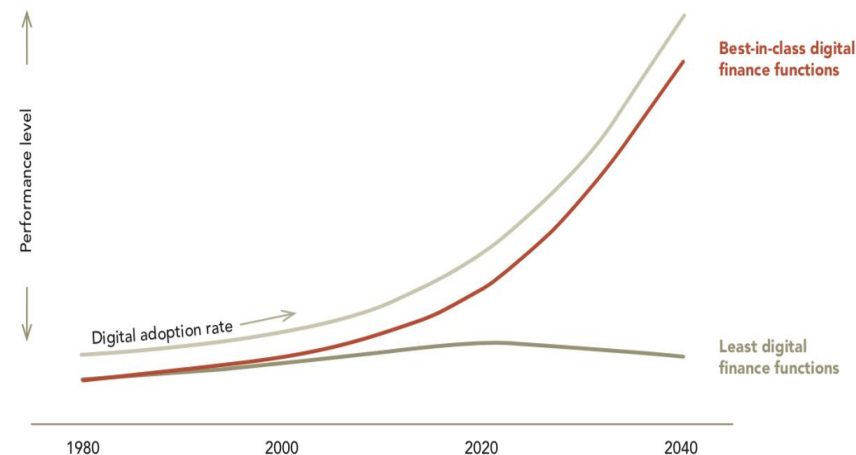


Currently demonstrated technologies can fully automate 42% of finance activity¹



Rethinking people and processes around the technology unlocks the full potential of process automation

¹ McKinsey & Company, 2020

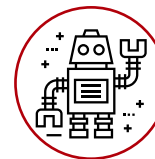
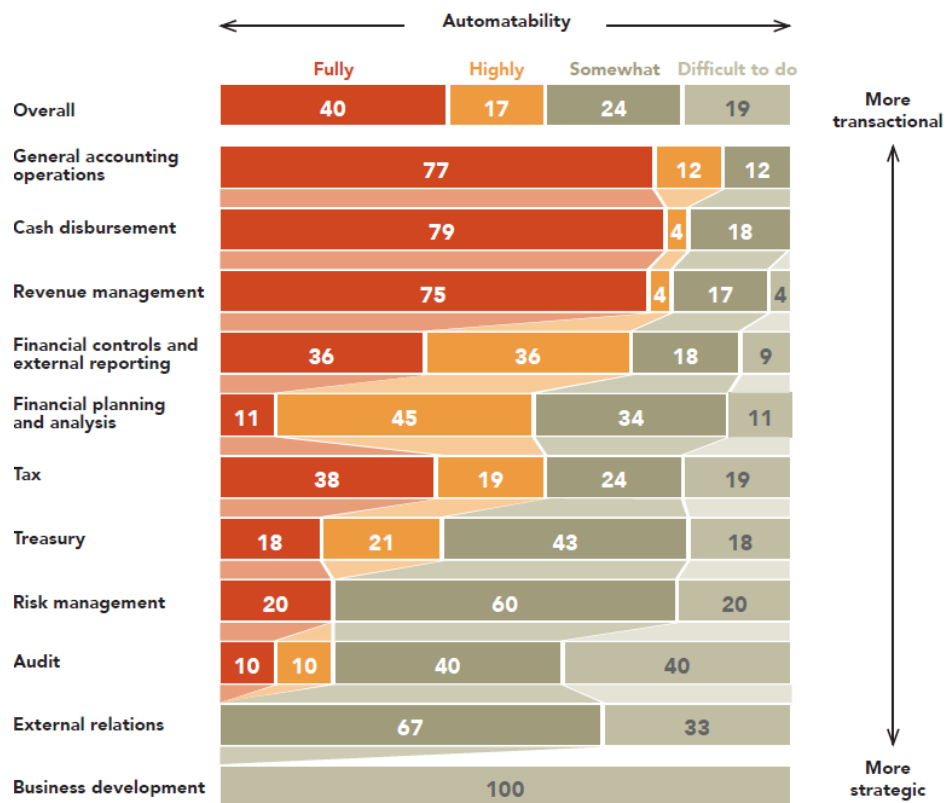


Automation of several financial tasks and sub-processes by utilizing technologies is crucial to continued increased profitability



A broad range of automatable tasks exist, but transactional tasks are most automatable

Utilizing the newest technological developments enables companies to implement automated processes



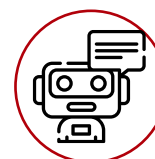
Robotic Process Automation

The technology that allows a “robot” to emulate and integrate the actions of a human interacting within digital systems to execute a business process. This process can replace human actions in the simple part of financial organizations



Machine Learning

The part of AI that deals with the automation and streamlining of complex statistical modeling methods, analysis of big and complex data, and dissemination of results from these analyzes.



Chatbot

The chatbot uses information from Machine Learning to communicate with users. This is specifically helpful when trying to lower administrative costs at service centers etc.

These artificial intelligence tools are effective when trying to cost-cut and allocate employees from simpler to more complicated tasks, where the demand for specialized knowledge is larger

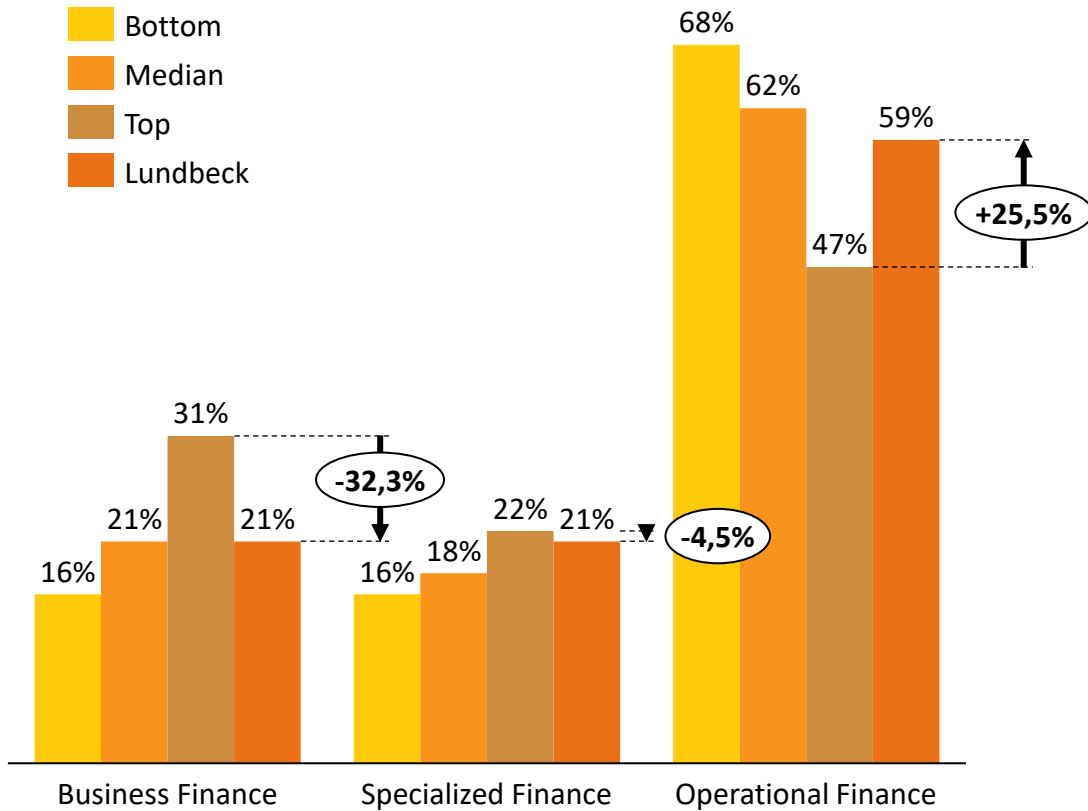
¹Figures may not sum to 100, because of rounding.
Source: McKinsey&Company

Utilizing new- and existing technologies enables Lundbeck to allocate FTEs to more value-adding functional areas



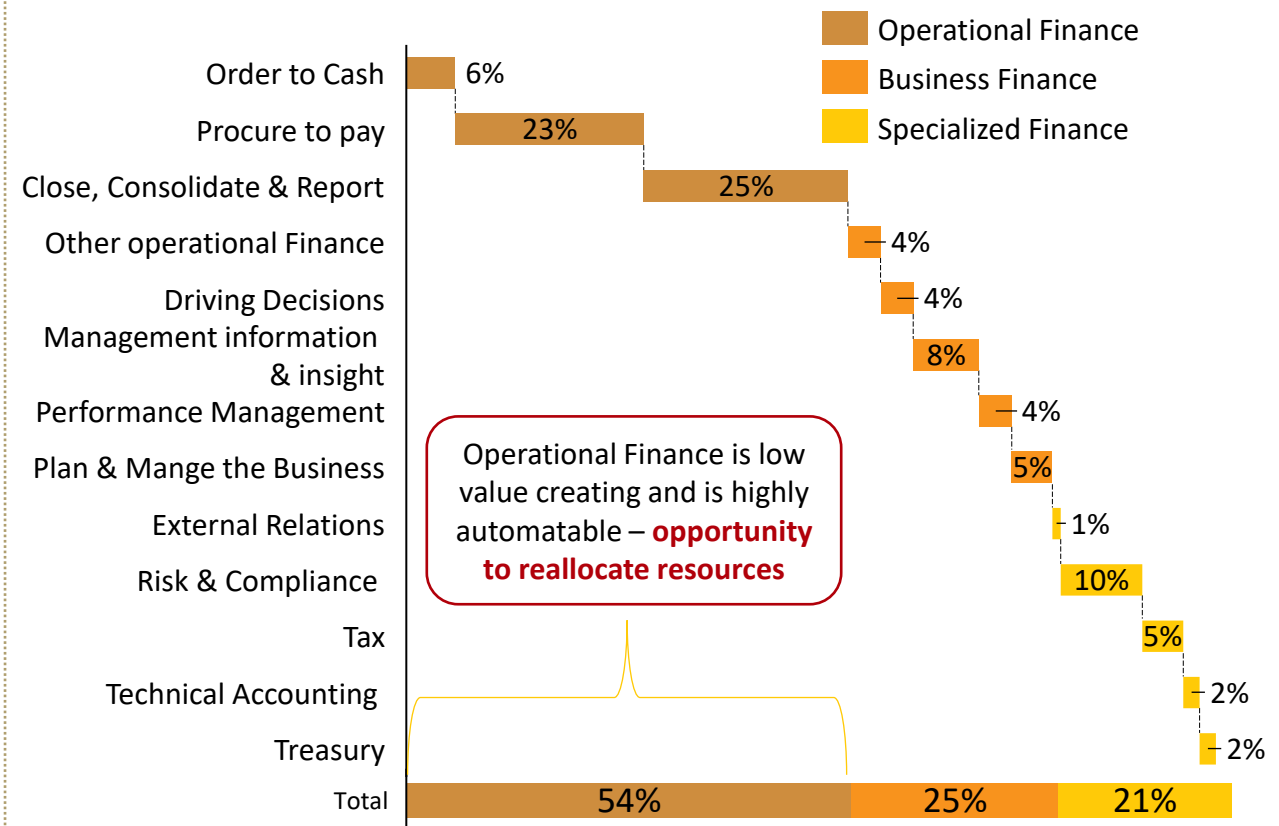
Lundbeck has a strong specialized finance department but lacks efficiency in operational- and business finance

FTE distribution in % across value drivers



By implementing digital processes and systems, Lundbeck can reallocate resource to more value creating activities

FTE per sub-process for the total Lundbeck finance organization



What, why, and how to enhance Lundbeck's financial organisation and facilitate the "Expand and Invest to Grow" strategy



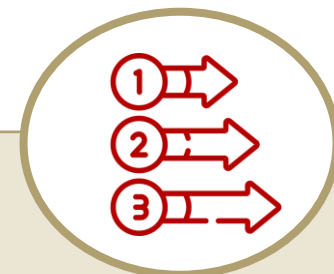
WHAT

Allocate people from the low value adding activity, Operational Finance, to the higher value adding activities, Business- and Specialized Finance.



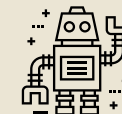
WHY

To live up to future increasing needs for financial operations, increase profitability, and become a top financial performer.

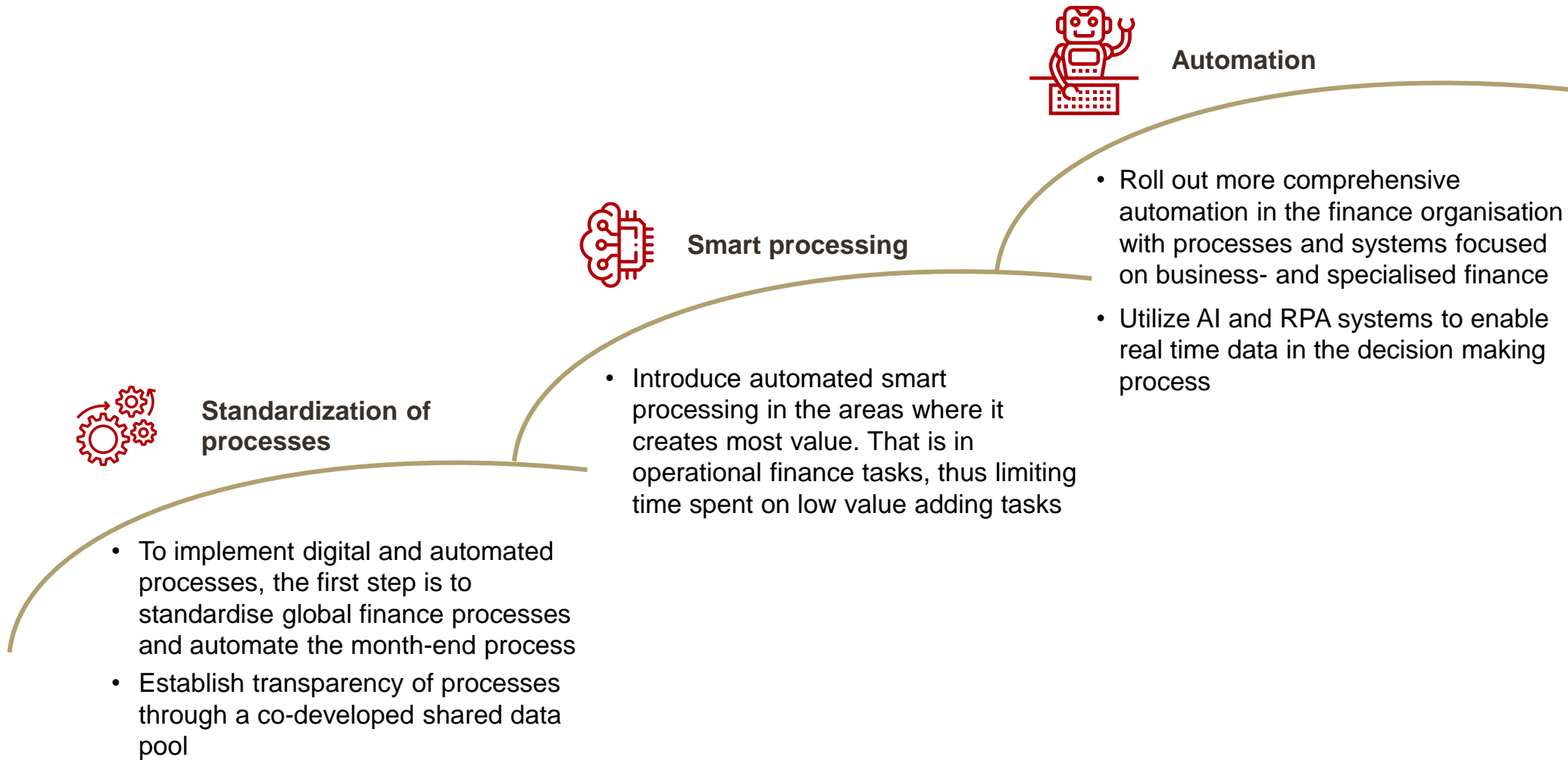


HOW

- 1) Standardization of processes
- 2) Smart processing
- 3) Automation



A zero-based operations model with digital processes and systems will result in simpler, faster and more efficient operations



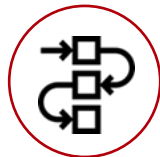
The standardization of processes is used to incrementally move to full automatization by utilizing technologies and economies of scale

Utilizing the newest technological developments enables companies to implement automated processes



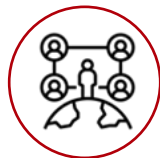
Standardize global finance processes

First, the company should run tests, designed to quantify the value attached to each task and process. Based on the test, the company should establish a global committee focused on streamlining processes and a shared transparent data base for the organization.



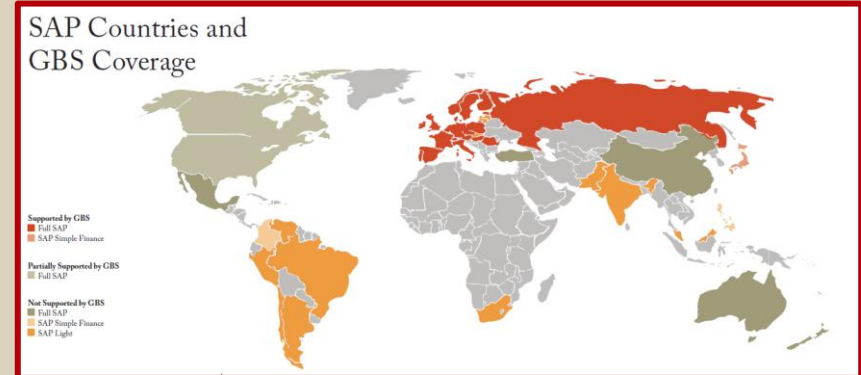
Automating month end process

It is necessary that the month end process is automatized in order to implement RPA and other new tech systems on existing processes. Through RPA companies can automate accounting, accounts payables and accounts receivable, thus, enabling automatization of the month end process.



Utilizing economies of scale at the GBS

Upon developing standardized processes, Lundbeck should utilize the GBS in Krakow as a centralized finance organization which handles the standardized Operational Finance tasks as well as ensures the continued standardization of transactional tasks.

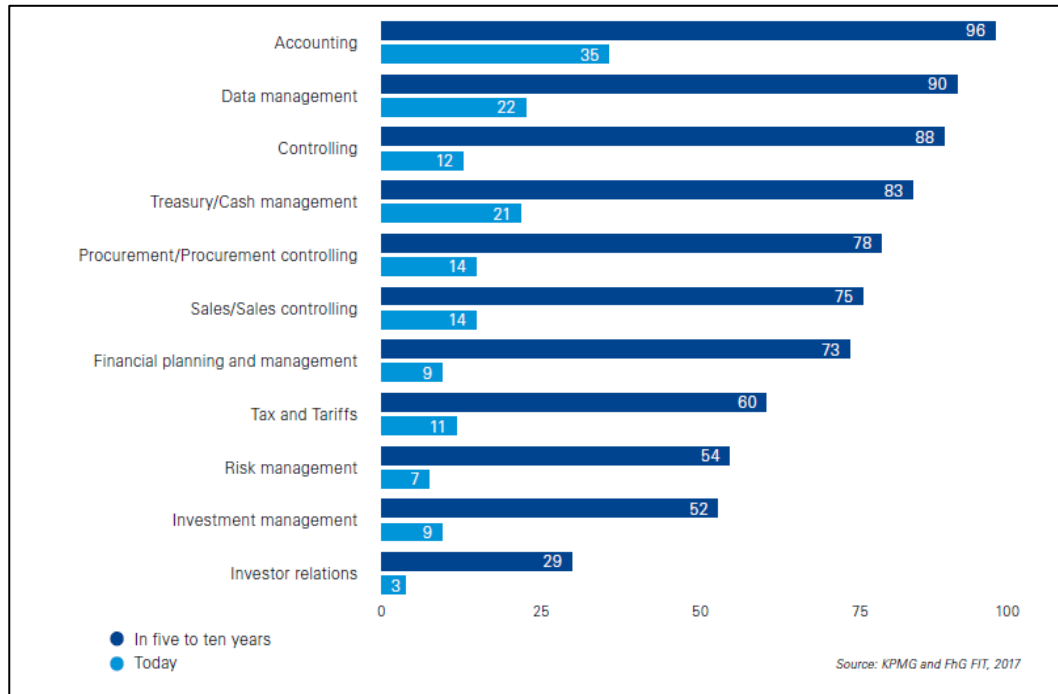


Lundbeck is already trying to standardize and automate processes through the new SAP S/4 HANA. However more should be done to standardize and automate the processes in order to allocate the resources in the most efficient way. The SAP will be supplemented by artificial intelligence solutions.

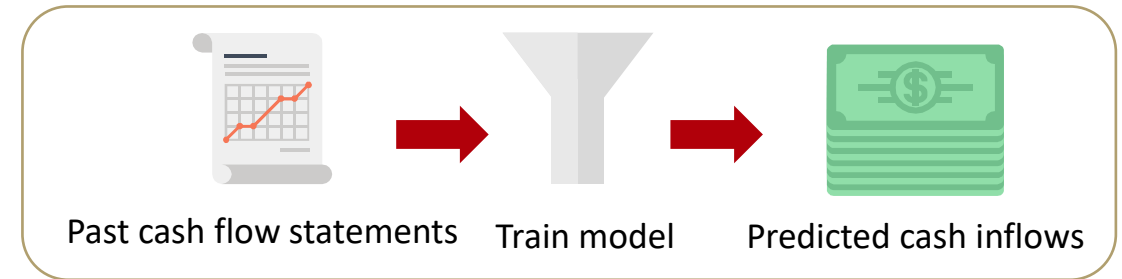
Various artificial intelligence initiatives enables smart processes, decreases inefficiencies, and enhances automatization



Robotic process automation faces a huge potential in the future when financial tasks must be automated



Machine Learning enables the change from looking backwards to forwards - to predictive and even prescriptive.



Machine Learning will help in building a database for the financial knowledge and data in the organization – obtained by people and RPA

Machine Learning will help developing learnings usable to build a chatbot. This bot will decrease inefficiency and ticket rout support better

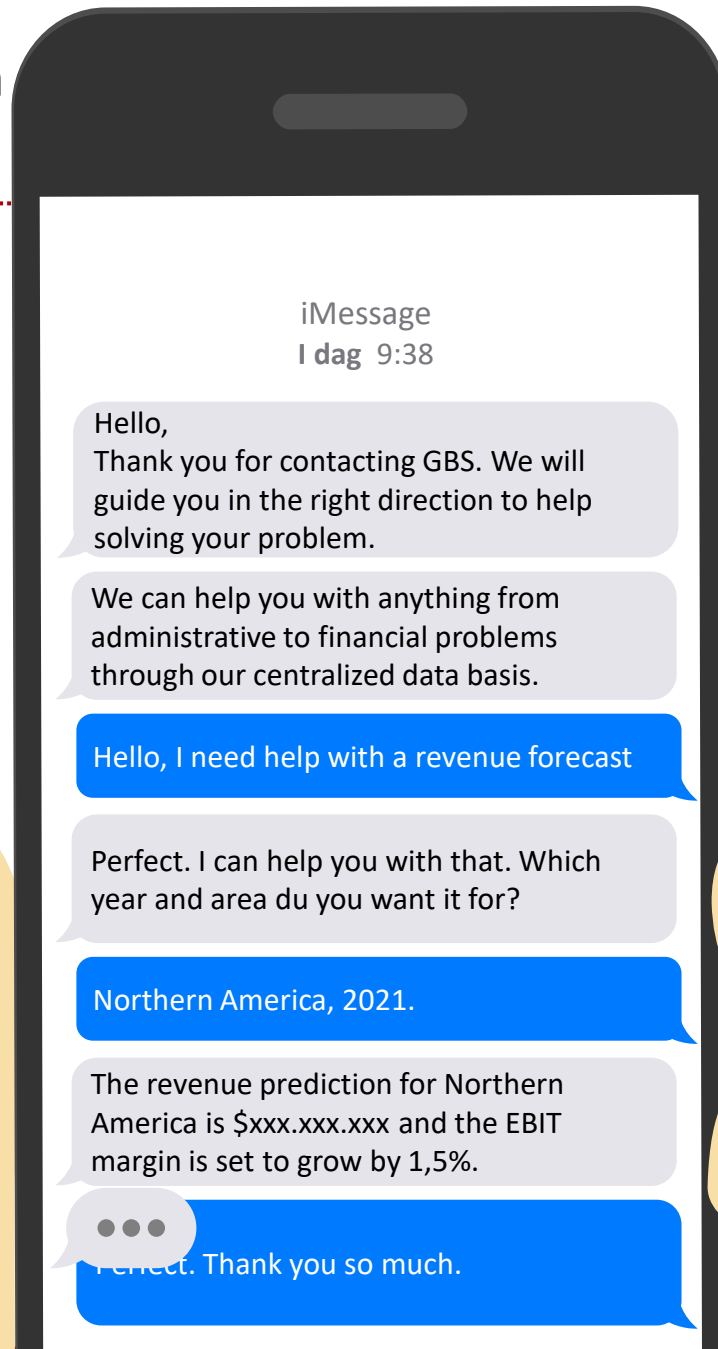
Lundbeck can automate many activities in Financial Operations as supplement to SAP by using RPA and thus cutting costs and allowing people to move to other activities

Bots bring the next generation of on-demand forecasting



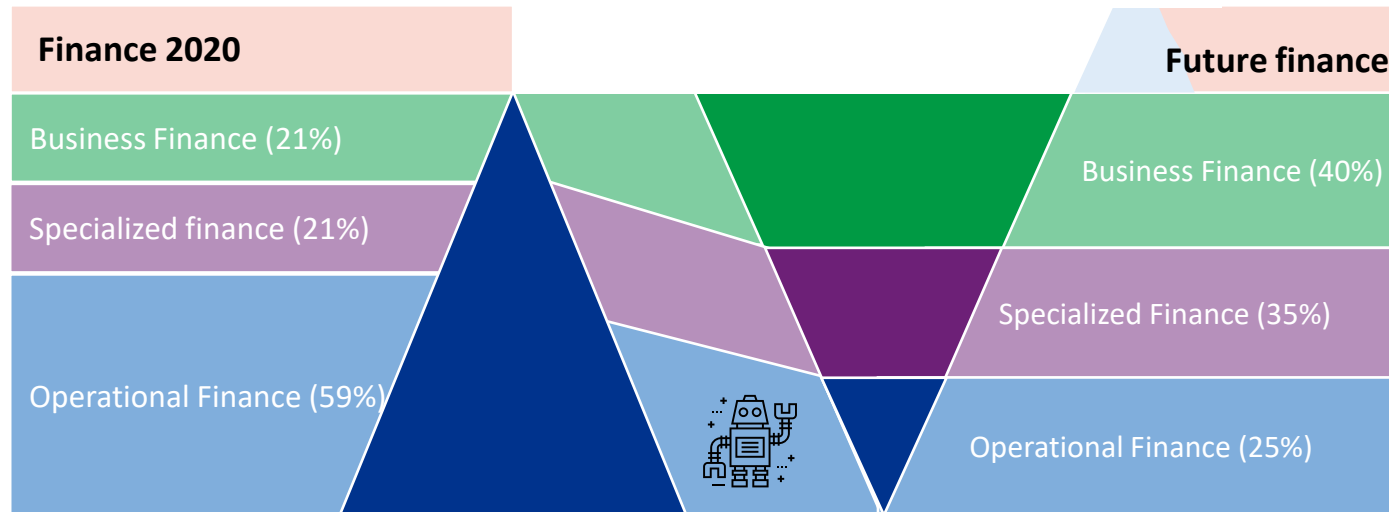
The SAP, RPA, and Machine Learning will help creating a great database of financial information. This database can **create real time data and provide valuable insights to Finance Group employees of Lundbeck.**

This can lead to even more automization by creating AI features such as chatbots:



This will further contribute to the possibility of **allocating people from Operational Finance (IT and Business Process System Support) to more specialized personal,** who can contribute to value driving activities

Automation allows Lundbeck to allocate specialized personal to value-adding functional finance areas and be more cost-efficient

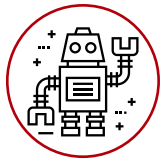


Operational finance is making up a great part compared to the industry top performers, while business finance is making up a too little part of the finance organization compared to top performers

The automatization by artificial intelligence will allow Lundbeck Finance Group **to allocate people from Operational Finance to Specialized Finance and Business Finance**, and thus creating more specialized personnel while letting the robots do more of the simple tasks. This will impact Lundbeck's finance positively since they will become more **cost efficient** and have **more enhanced business partnering**

Utilizing AI and simpler processes creates an efficient agile organization which is ready to support strategic business event

... utilizing digital solutions to optimize operations and resource allocation



The streamlining of processes and implementation of automated systems will enable the company to **reduce human mistakes and valuable time spent on checking data and manual work**. Thus reducing cost.



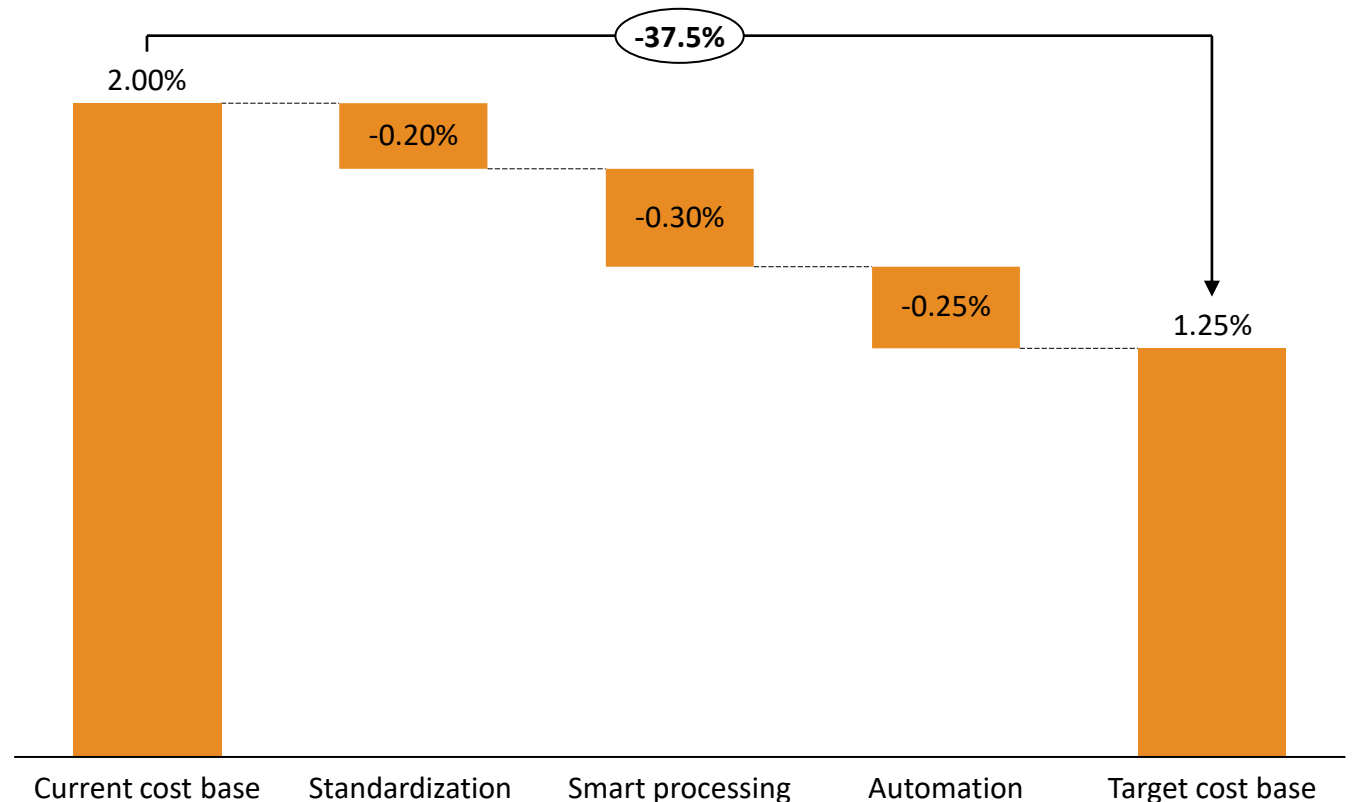
The implementation of RPA and machine learning will enable the company to make decisions based on real time data. Hence **improving decision making and shortening the decision-making process**.



The finance organization can allocate resources to focus on enhanced business partnering and specialized finance tasks. Thus **supporting the organization better and improving overall organizational efficiency**.

Significant efficiency optimization and cost reductions are achievable through a Zero-Based operations model...

Cost of finance as a percentage of Revenue

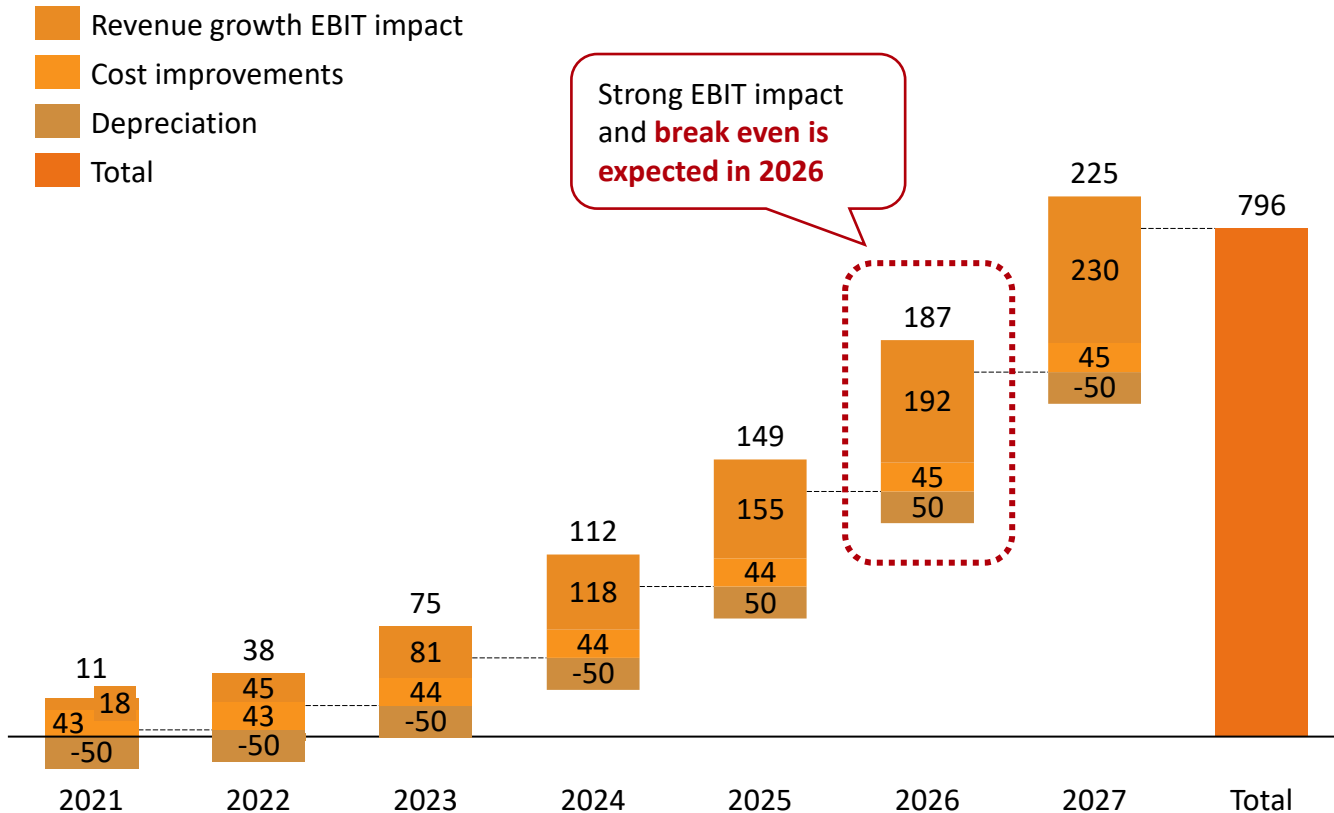


Investing in digital strategies will drive overall organization functioning, hence creating significant stakeholder value



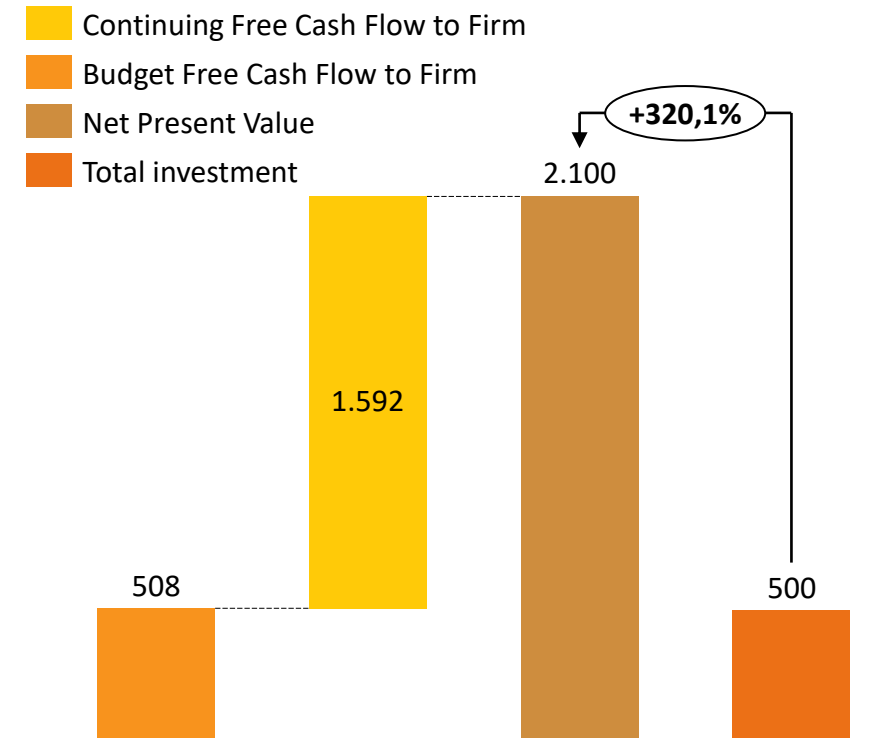
The recommendation is expected to improve EBIT through improved operational efficiencies and enhanced business partnering...

The proposed recommendation's Impact on EBIT from 2021-2027, DKK Million ¹



... and is expected to generate significant return on investment over the coming years

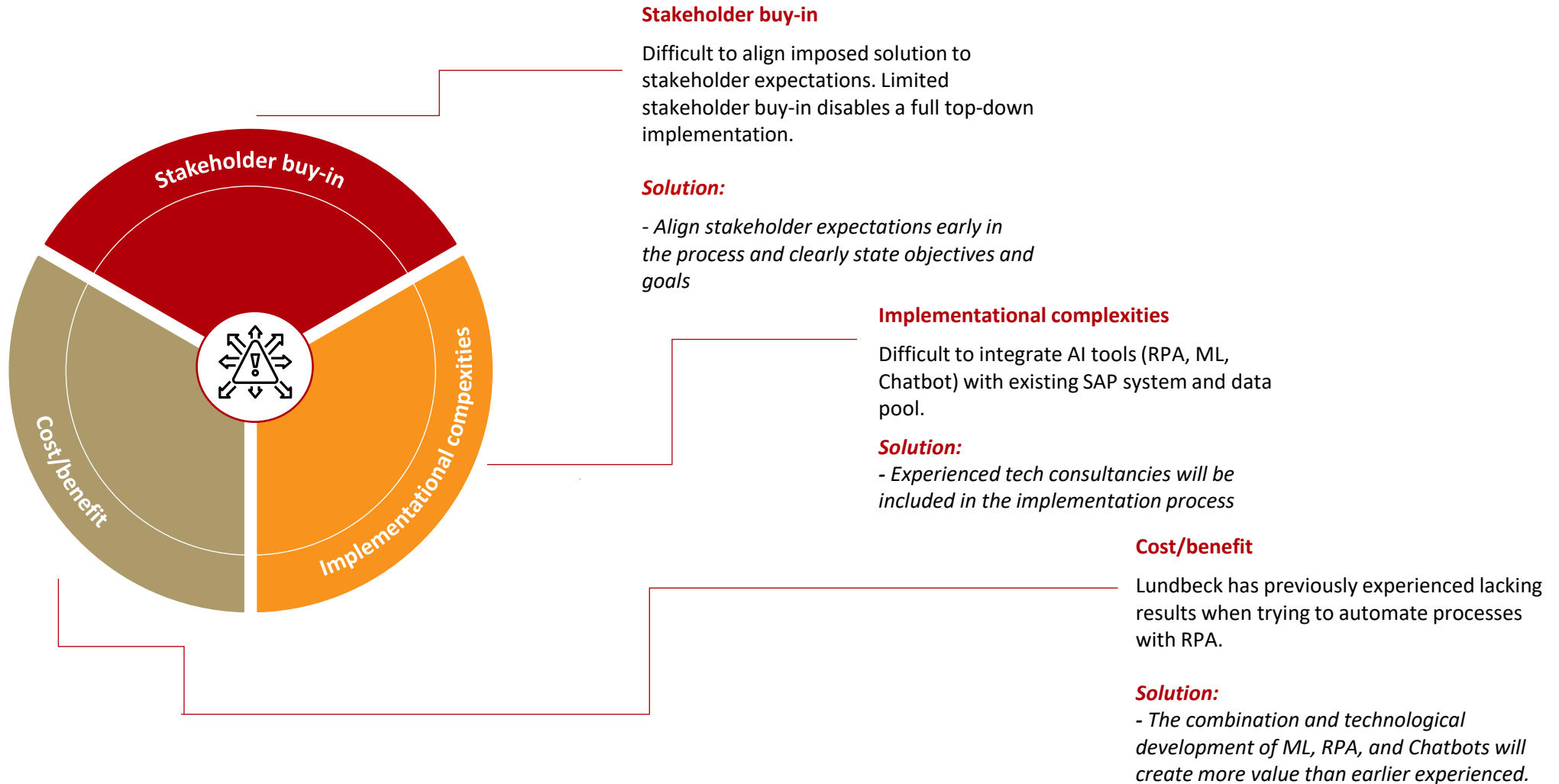
The proposed recommendations Return on Investment DKK Million ¹



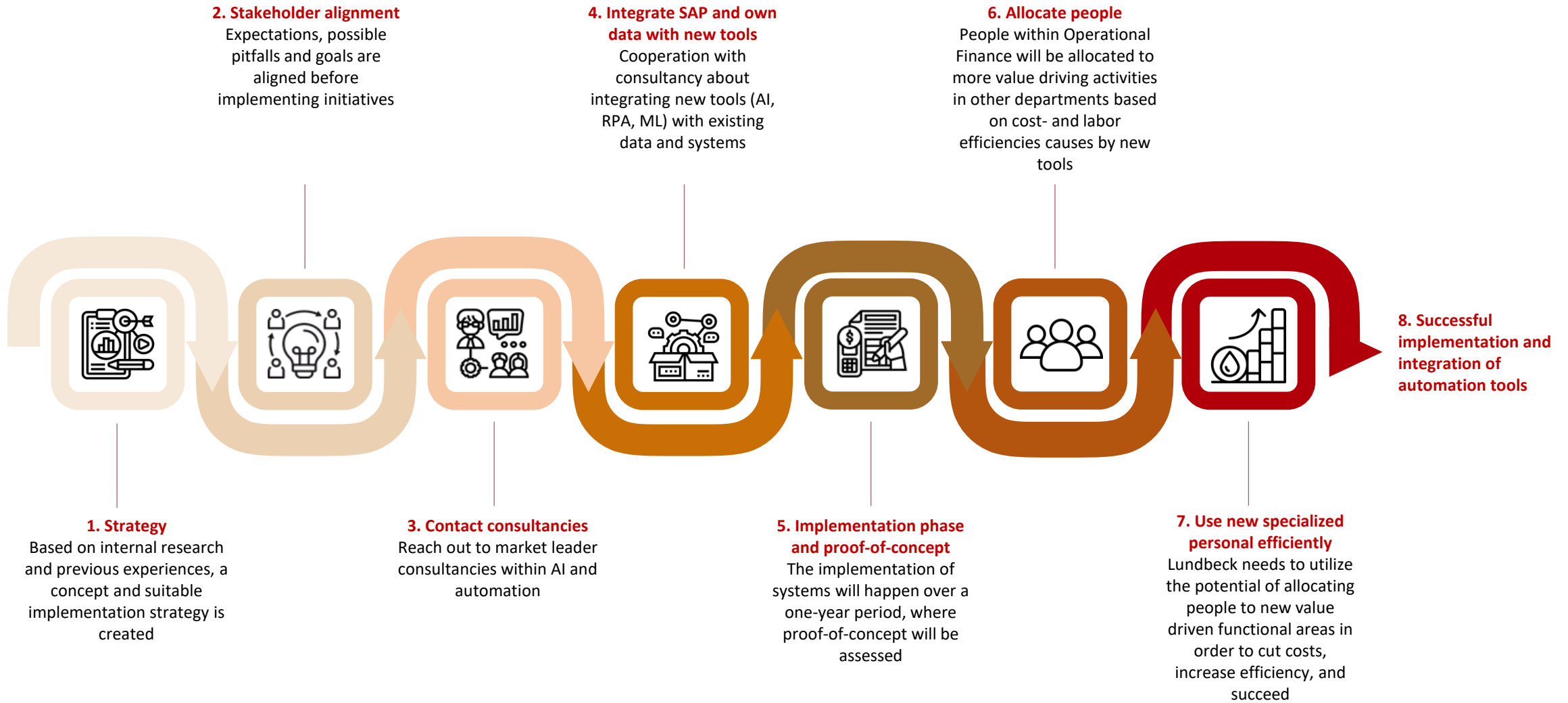
¹ See Appendix A for calculation of expected impact

SOURCE: BCG; McKinsey

Risks of being overambitious with critical stakeholder buy-ins poses as threats to the recommendations



A step-wise implementation process of the proposed recommendation ultimately leading to success



Digitalization can generate operational and business support efficiencies, thus driving profitability and organizational agility

The recommendation is expected to have a positive impact on the functioning of Lundbeck's Global Finance Enabler model

Generating significant positive value creation for stakeholders and shareholders



SYSTEMS

Digital solutions will be upgraded to follow market and global trends by implementing data gathering processes and automation through AI (RPA, ML, and Chatbots).

PEOPLE

System implementation supports the organization by allowing it to allocate people to specialized tasks.

PROCESSES

Our recommendations will create more streamlined and efficient processes.



Optimize the allocation of resources and thus business support function of the finance organization is **expected to increase revenue with 1% per annum from 2024**



The recommendation is estimated to create significant efficiency optimizations and **reduce the cost of the finance department with 37.5%**



Strong shareholder value creation with **a NPV of the investment is estimated to be 320% higher than the total investment**