



Your logistics engineering partner

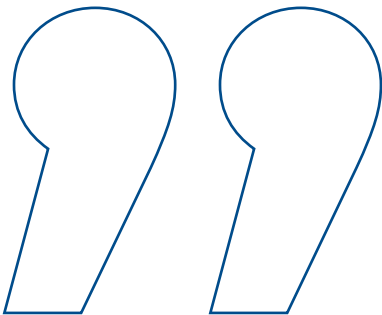
Brochure
2020

Sommaire

I.	A word from the CEO	02
II.	History of the company	04
III.	Missions	06
IV.	Core skills	08
V.	Team	10
VI.	Case Studies	12




Welcome A word from the CEO



Our common values form the bedrock of SDZ ProcessRéa's singularity.

As a leader in automated logistics systems engineering, SDZ ProcessRéa is highly involved in the development initiatives for the Factory of the Future. As such, we work on the strategic projects of major players across various industries: Retail; Luxury goods; Automotive; Aeronautics; Pharmaceuticals and E-commerce. We share common values such as close relationships with our customers, technical excellence, and dedication to people. We are driven by the desire to constantly provide our partners with higher performance and enhanced

service. Our innovative, intensive logistics concepts go hand and hand with our high awareness of sustainable development goals and with our commitment to environmentally conscious eco-engineering. Thanks to our unique vision of engineering, we successfully lead bold projects that respond to the challenges of tomorrow's world.


François Mondou

Your logistics engineering partner

Our philosophy

- » Together with our teams of consultants and specialist engineers, we support you at every stage of your project.
- » We work in a completely transparent and independent manner to achieve your goals.
- » We coordinate the interfaces of your project with a great attention to detail.



SDZ ProcessRéa is the only consulting and engineering firm in France that has all the skills in-house to carry out your project in its entirety, from the definition of the strategy to the reception and scaling up of the logistics facilities.

Introduction

Our company history

A human-sized, multi-specialist consulting and engineering firm, SDZ ProcessRéa draws its strength from its ability to solve complex problems throughout the life cycle of major logistics projects.

Over 30 years of experience

SDZ GmbH was founded in Germany in 1986 by mathematics students, with the pioneering objective of applying flow simulation to the design of complex industrial facilities.

The business grew very quickly around the construction of production units, and then automated distribution centers. Today, SDZ is a European leader in logistics engineering, with a global reach and an international customer base. In 2011, the company opened a French office in Neuilly-sur-Seine, operating under the brand name SDZ ProcessRéa.

A unique approach

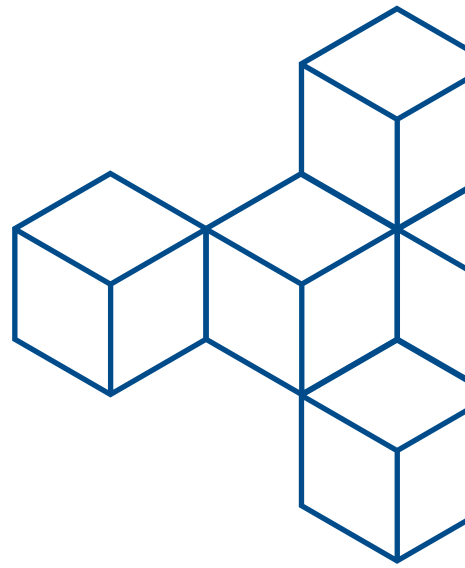
Leader in automated distribution centers, SDZ ProcessRéa benefits from a very strong growth,



driven by the strategic challenges of Supply Chain modernization - especially for mass and online retailers. The intensive model developed by its specialist engineers is characterized by a considerable densification of storage and preparation, leading to significant savings. Not only is this well-proven model more efficient, but it is also more environmentally and socially sustainable.

The firms' unique "co-engineering" approach makes it possible to build strong consensus between stakeholders in order to overcome resistance to change and carry out extremely ambitious projects.

*Ambitious logistics systems
always involve social and
environmental responsibilities.*



SDZ ProcessRéa

Our missions

Since our foundation, we have helped our clients address their logistical challenges in a pragmatic and efficient manner. To this end, we have developed tailor-made solutions that take into account all their constraints, be they technical and

economic. Our methodology complies with the "Syntec" rules and FEM standards, thus guaranteeing to our customers the reliability and maturity of their facilities, whose return on investment is clearly established.



Consulting

We help you define your Supply Chain strategy, and we carry out feasibility studies for your reorganization projects.



Engineering

We design the most appropriate technical solution for your facilities, and we conduct tenders among suppliers.



Project ownership support

We provide project management and interface coordination to ensure a smooth running of your construction site.



Project Management

We design the turn-key facilities that exactly match your logistical needs.



All the solutions that we design are fully personalized to fit our customers' requirements and the specific features of their markets. As we value our independence, we guarantee our neutrality towards the manufacturers and suppliers that we consult.



SDZ ProcessRéa took part in the design and construction of more than 600 sites around the world.

360°

Multiples skills. A single partner.

- » Audit
- » Diagnosis
- » Logistics Master Plan
- » Planning and programming
- » Administrative authorizations requests
- » Preliminary design
- » Building Permit file
- » IT functional analysis
- » Detailed budget
- » ROI computation
- » Project ownership support
- » ...

» Administrative files

» Economic feasibility

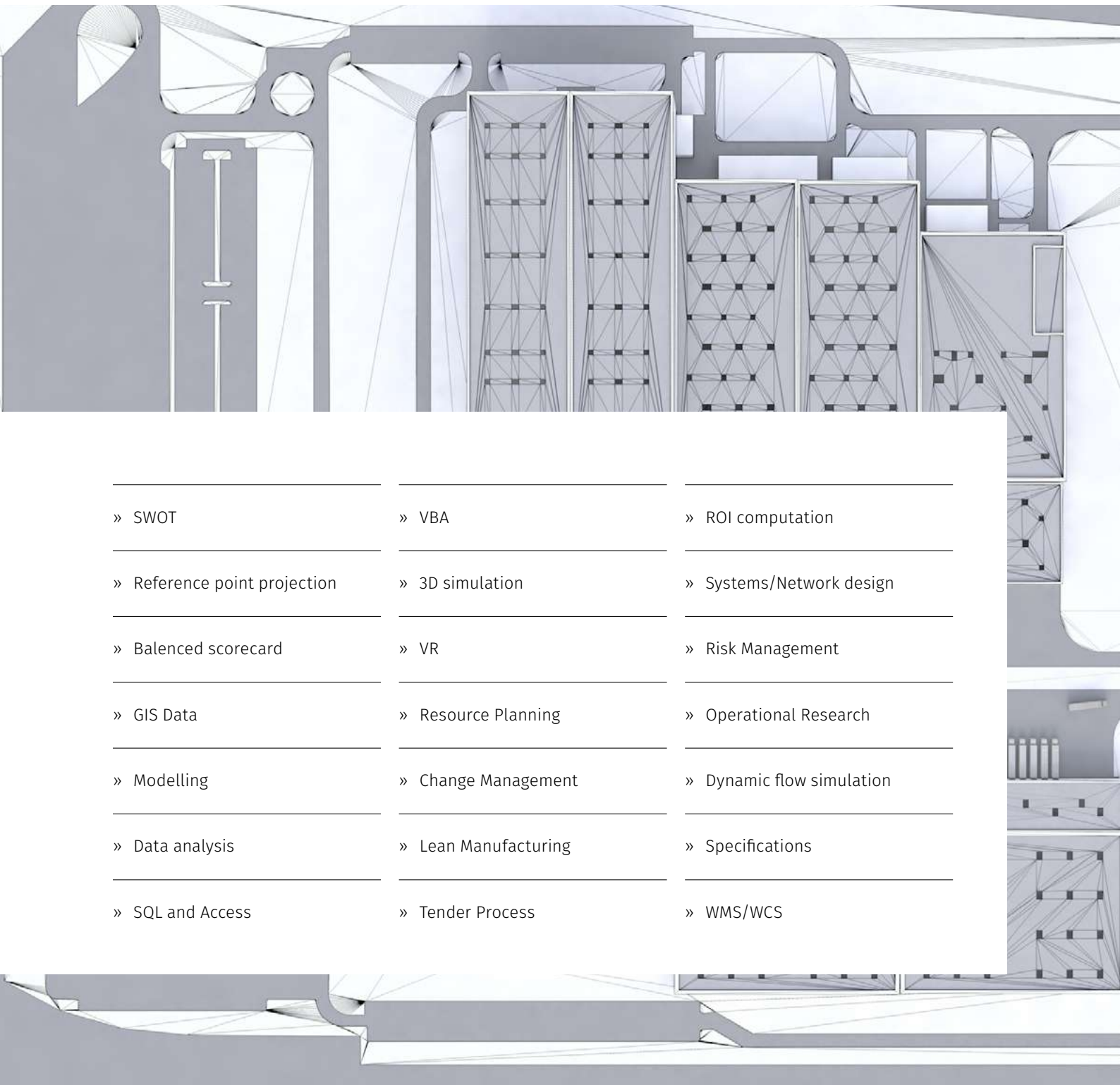
» Risk management

» Interface management

Our methods and tools


We mobilize the many expertise of our multidisciplinary team, at every phase of your project.

Our team works every day with passion and precision to achieve your ambitions. Over the years, we have developed innovative and powerful methods to guarantee the optimization of our solutions and the smooth running of your project. At the same time, our experience has enabled us to rule out the less robust technologies. We can thus mobilize on each assignment some valuable insights and expertise, as well as a wide variety of tools - while minimizing your economic and technical risk. In other words, the perfect recipe for achieving your goals!




» SWOT	» VBA	» ROI computation
» Reference point projection	» 3D simulation	» Systems/Network design
» Balanced scorecard	» VR	» Risk Management
» GIS Data	» Resource Planning	» Operational Research
» Modelling	» Change Management	» Dynamic flow simulation
» Data analysis	» Lean Manufacturing	» Specifications
» SQL and Access	» Tender Process	» WMS/WCS

Our core skills




Supply Chain

All our engineers have benefited from a solid industrial or logistics training.




Mechatronics

We formalize your automation needs in the form of specifications.




Civil Engineering

We check the compliance of the process and building, in collaboration with the providers.




Finance

We demonstrate the economic profitability of your project for its investors.



Law

Our expertise enables us to provide guidance on standards and jurisdictions.



IT

We ensure the coordination of the interfaces of the information system.

Overview of our team

Tech enthusiasts



Vivian Peiffert

Senior Project Leader

Logistics

An industrial engineer, Vivian has been leading logistics platform automation projects for more than 8 years. He participated in the design, monitoring and implementation of automated systems of various sizes and clearly identifies the interfaces associated with the success of such projects.



Olivier Veber

Senior Project Leader

Mecatronics

Expert in automated logistics systems for transport and storage, Olivier has over 30 years of experience in industrial engineering. He has designed a large number of automated systems in all sectors of activity, in collaboration with most of the equipment manufacturers on the market.



Jean-François Hecké

Senior Project Leader

Information Systems

Jean-François has 25+ years of experience in Supply Chain Management and optimization. As an expert in computer science and IT architecture, he notably managed the computer interfacing of 10+ automation projects for major clients across a wide number of industries.

SDZ in the world...



34

years of experience



65

dedicated engineers



+650

completed sites



+170

project interfaces

SDZ ProcessRéa is first and foremost a team defined by its sense of sharing, and its values of precision and trust. Training and research play a key role: several consultants

have lectured in renowned schools, such as the Fraunhofer Institute for Material Flow and Logistics in Dortmund, or the École Nationale des Ponts et Chaussées in Paris.

96%

of our customers
recommends us

+50

satisfied customers
since 2011

20

consultants
in France

45 m

Height of the High-Bay
Warehouses

Some figures

...and references:



Case Study

Autodistribution Logisteo



Description of the project

Building of a 30 000 m² distribution center in Réau (France).

Technologies

Transstockers, Shuttle, Palletisation, Put-to-light, Goods-to-man, IT monitoring.

120 000 references in stock.

100 000 trays.
2 trays/second.

500 delivery sites per day (60 000 lines).

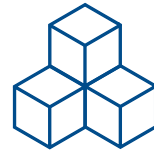
Scan this QR code for a demo video.



Building of a distribution centre
2016 - 2018



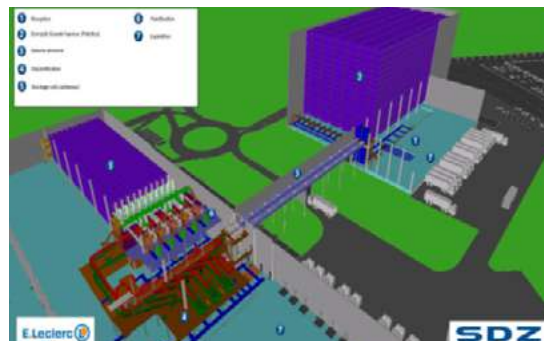
Fully automated storage and order preparation
Client : Autodistribution



Case Study

E. Leclerc

To support its growth over the next fifteen years and respond to the increase in the number of drives, Socamaine* trusted SDZ ProcessRéa for the realization of a new automated platform.



Carte d'identité du projet

Client

Socamaine*

Location

Champagné (France)

Duration

2016 - 2019

*Socamaine is one of the 16 local procurement cooperatives of E. Leclerc, which pools 39 stores and 52 drives.

I. Project characteristics

This new tool was built to optimize the quality of load preparation for stores and drives, and to improve the employees work conditions - especially order pickers.

It has a 5,000 m² storage tower, which is 42 meters high and has a capacity of 35,000 pallets. A 6,000 m² area is dedicated to depalletizing, descrambling pallet layers, preparing and sequencing orders from the 70 points of sale. Palletization is carried out by 10 anthropomorphic robots with a capacity of 800 packages/hour each, monitored by optronic systems.

II. Benefits

Mechanization allows the automatic storage and removal of pallets of goods by stacker cranes. The preparation of orders for stores and drives also becomes fully automated.



The 5 000 m² automated High-Bay warehouse

IT monitoring is managed by the WMS.



1,500/d.
inbound pallets



6
transstockers



35,000
pallet storage space



3,200/h.
inbound parcels



46,200
Shuttle trays



1,740/h.
in/out trays



62,500/d.
prepared parcels



5
AI palletizing robots



SDZ

└ Co-ingénierie logistique ┐

PROCESSRÉA

SDZ ProcessRéa is a member of the Syntec-Ingénierie and of the Syndicat des équipements pour la Construction, les Infrastructures, la Sidérurgie et la Manutention (CISMA-EVOLIS), which is a branch of the Federation of Mechanical Industries (FIM) and of the European Materials Handling Federation (FEM).

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