

ELEMENT
LOGIC



We ensure your
future competitive edge

OPTIMIZING WAREHOUSE PERFORMANCE

elementlogic.net

Take your warehouse to the next level with AutoStore®

AutoStore empowered by Element Logic is a powerful and future-proof solution for the quick and efficient handling of orders with the help of robots. The unique automated storage and retrieval system is suitable for companies of all industries and sizes.

Imagine a warehouse that **saves up to 80 % floor space**, is **scalable**, and offers **flexible** capacity by storing goods in stacked bins serviced by high-speed robots. This is what you can achieve with AutoStore.

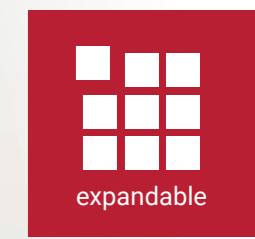
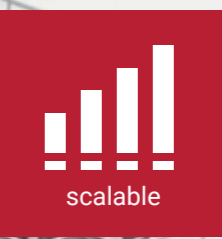
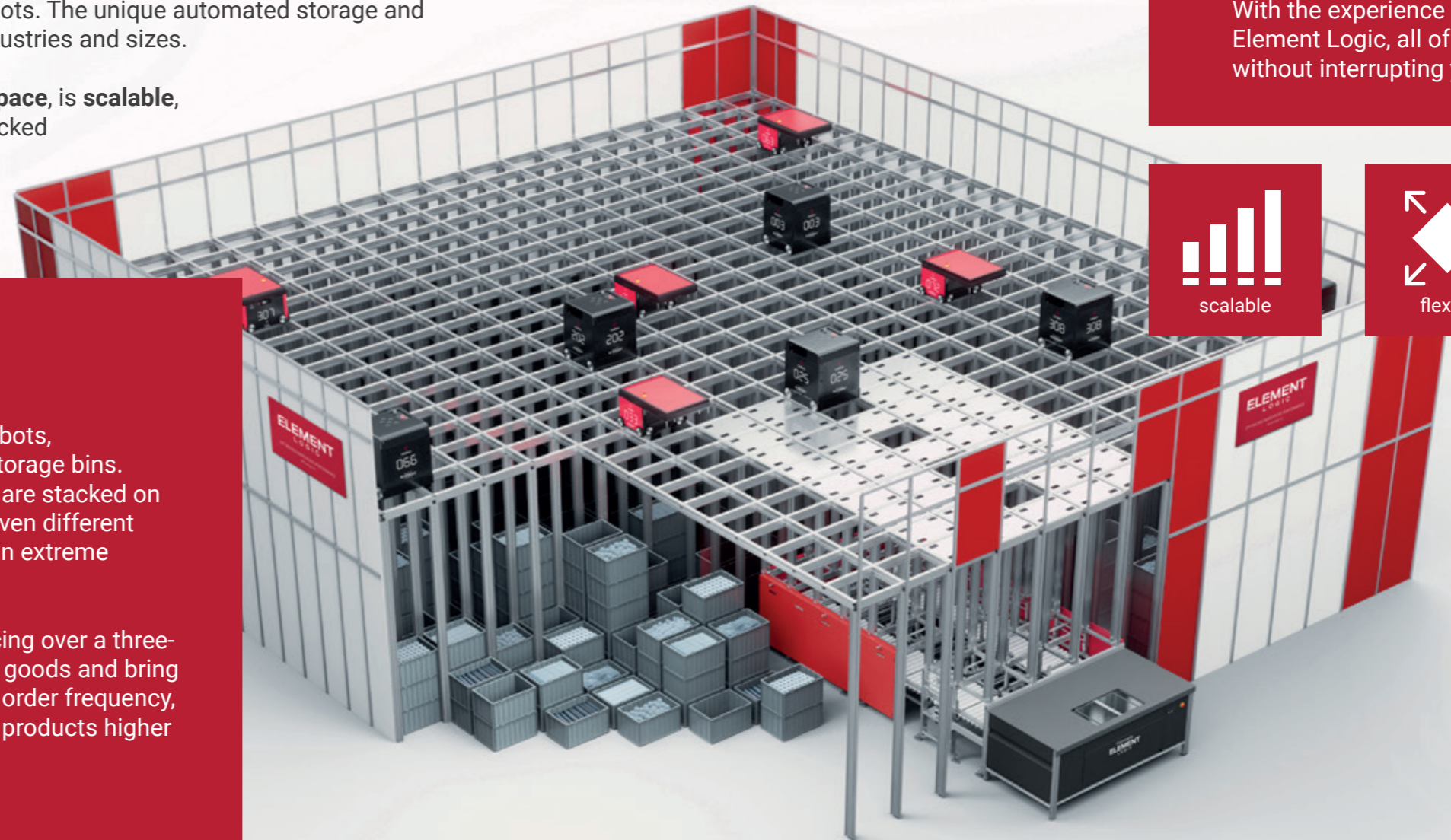
Need extra storage? Add storage cells and bins. Need higher performance? Just add robots and operator ports.

With the experience and expertise of Element Logic, all of this can be installed without interrupting your daily operations.

How AutoStore works

The AutoStore system contains battery powered robots, workstations and an aluminum grid that includes storage bins. Thanks to the special AutoStore design, these bins are stacked on top of each other without wasting any space, and even different items can be stored in a single bin. This results in an extreme advantage of space utilization.

The warehouse is operated by intelligent robots racing over a three-dimensional aluminum grid. The robots pick up the goods and bring them to the desired workstation. Depending on the order frequency, the intelligent system automatically stores popular products higher up and thus closer to the robots.



Element Logic - your preferred AutoStore partner

The world's first AutoStore distributor in 2003, and experts in AutoStore solutions.

Several years as the world's sole AutoStore provider have given us unique insight on how to optimize AutoStore solutions. Since then, we have continued to develop and deliver industry-leading AutoStore solutions and services tailored to industry requirements and customer needs.

Over the years, we have witnessed our customers save tremendous amounts of space, boost warehouse efficiency, strengthen profitability, and cut costs with the help of our AutoStore systems.



Before the installation of the AutoStore system in the warehouse, the picking system was entirely manual. AutoStore has many advantages, such as speed, reliability, and utilization of warehouse footprint,"

Sven Thiessen, CSCO, Boozt.com



jollyroom.se



Implementation took place quickly and our staff was involved in both building up and running, which created great commitment and knowledge internally.

Cecilia Olsson, Logistics manager, Jollyroom.se



Element Logic - the AutoStore specialist

From system design to production, we are a one-stop shop for warehouse automation.

We provide tailored solutions based on customer needs and industry requirements. Our standardized processes for providing total warehouse solutions are designed to ensure you get the most out of your investment quickly.



Our total solution portfolio includes:

- Design services for complete automated warehouse solutions
- AutoStore Systems (AS/RS)
- eManager WES, WMS, WCS for AutoStore
- ERP / WMS and Transport Management System (TMS) integration
- Robotics, conveyor systems, and other integrated mechatronics solutions
- Manual warehouse equipment
- Standardized system delivery, installation, configuration, testing, and handover
- System maintenance and support
- Partnership for continued optimization

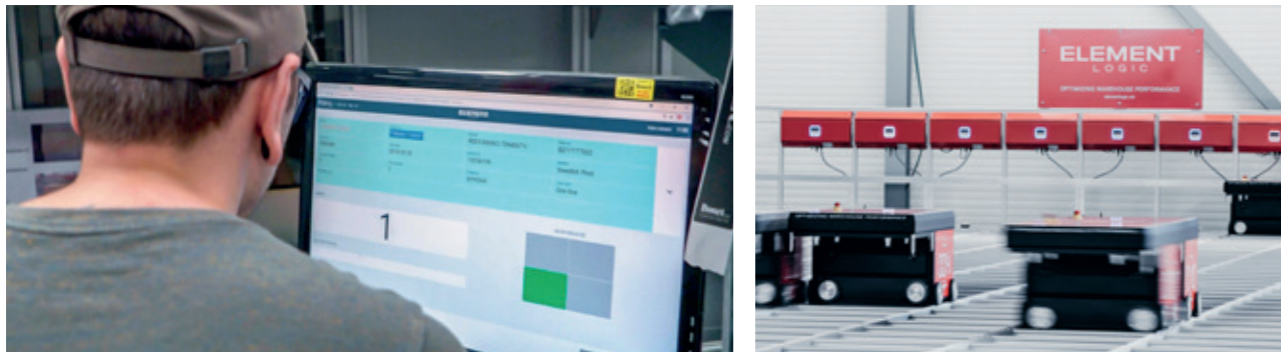


Element Logic promised us to launch our AutoStore within 100 days after we signed the contract, and we did! I'm looking forward to develop our AutoStore in cooperation with Element Logic, to ensure excellent customer service and efficiency.

Tom Kjærulf, Supply Chain Director at EET Group

Boost your AutoStore performance with eManager warehouse execution, management, and control system

eManager WES, WMS, WCS for AutoStore is specifically designed to optimize AutoStore warehouse performance. It enables you to maximize the efficiency of your AutoStore warehouse processes, boost productivity, reduce costs, and improve customer satisfaction.



What you get:

- AutoStore software application developed by Element Logic
- An AutoStore-optimized user interface
- Built-in operator assistance for accomplishing AutoStore tasks
- Product location and inventory control
- Operational dashboard and service portal
- Management of AutoStore warehouse processes
- Integration with ERP / WMS and a variety of warehouse supply-chain systems
- eOperator, Element Logic's robotic piece-picking solution



The benefits we get from cooperating with Element Logic, and the technology they have included in their unique WCS system, are huge.

Rune Kristiansen, Head of Logistics Bertel O. Steen



- Range -

Pick, place
thousands of SKUs

- Rate -

Fulfill orders at high
speeds for a strong ROI

- Reliability -

Get customers
what they ordered

- Ready -

Run with any warehouse
management software



eOperator, Element Logic's robotic piece-picking solution

Increase your level of automation, decrease operational costs, and increase overall profit with our autonomous robotic piece-picking system.

How it works:

RightPick is a robotic arm with camera-eyes and a gripping hand with fingers and a suction cup. It uses machine learning to perform various tasks and runs on a powerful Graphic Processing Unit (GPU) designed to process enormous amounts of data in a short amount of time.

eOperator, Element Logic's robotic piece-picking solution enables automated handling of goods stored in AutoStore:

- Collaboration with AutoStore
- Intuitive user interface
- Operational dashboard and service portal
- Real-time, mobile-compatible statistical reporting
- Integration with our eManager (EWCS) warehouse management system for AutoStore or any warehouse management software



onninen

Everything went perfectly. It's obvious this robot arm can help us with efficiency, quality, and unfavourable working hours. I think this is the future of logistics, no doubt about it. - Onninen test project

Thomas Fosstveit, Operations Manager at Onninen

Unsure if your SKUs are suitable for robotic piece-picking?

Order our pickability analysis for a physical test to demonstrate how well the eOperator picks and places your SKUs. You will receive a report with the test results, a cost / benefit analysis, and recommendations tailored to your individual needs.

E-commerce startup Bergfreunde **increased order picking efficiency** by more than **400%** with AutoStore by Element Logic

With more than 15,000 orders processed on peak days, they are one of Europe's leading online mountaineering retailers.



Founded in Germany in 2006, Bergfreunde has experienced rapid growth. The original warehouse in Kirchentellinsfurt and various decentralized warehouses could no longer keep up with this growth. To remain successful in the market long-term, the company needed an infrastructure that would allow for more than 30-40% annual revenue growth. Storage capacity scalability, picking speed, and picking efficiency were key factors.



“With our tremendous growth, we are dependent on a flexible and efficient storage system, which is why Bergfreunde.de has chosen AutoStore. Scalability, space efficiency and high performance were decisive factors for us. All our expectations on AutoStore and Element Logic have been more than

fulfilled and we have never regretted our decision,” says Ronny Höhn, Managing Director of Bergfreunde.

Success with customized solutions

In order to remain future-proof, Bergfreunde opened a new logistics center in August 2016, covering an area of more than 10,000 m² in Rottenburg-Ergenzingen. The highlight of this logistics center is the stand-alone AutoStore system. Element Logic customized the system with conveyor technology and process optimization, and delivered various extensions without any interruption to operations. Consequently, Bergfreunde continues to meet the needs of their increased growth.

Today, Bergfreunde's 95 AutoStore robots take care of more than 180,000 items from a variety of manufacturers. The products range from clothing and footwear to special equipment for climbing and other outdoor activities. With Element Logic's help, Bergfreunde has succeeded in increasing its order picking efficiency by more than 400%. In addition, the company was able to significantly reduce its throughput time. Today, the online shop processes more than 15,000 orders on peak days.

For more information - visit us at elementlogic.net



“Scalability, efficient use of space and high performance were the decisive factors for us. Our expectations towards AutoStore and Element Logic were more than fulfilled and we did not regret the decision a day.”

Ronny Höhn, Executive Director, Bergfreunde

Go GREEN

Four ways Element Logic can help reduce your carbon footprint

Traditional warehouses are designed with human workers in mind. This is reflected in everything from the use of space to lighting and environmental settings. Automated warehouse solutions by Element Logic provide space-efficient and energy-conscience alternatives.



AutoStore utilizes sustainable technology; it is strategically designed to include few components. To hear more about these and other features, contact our team today at elementlogic.net.



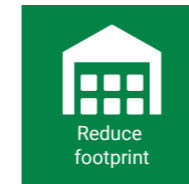
1. Turn off the lights

Robots don't need environmental settings to work. Turn off the lights and lower the temperature. Our clients have seen **up to a 75% reduction in their electrical costs.**



2. Save energy

AutoStore robots run on rechargeable batteries and use energy-efficient motors. **Regenerative energy returns power** to the robot's batteries each time it lowers a bin or reduces speed. **Ten AutoStore robots use the same amount of electricity as a vacuum cleaner** and can easily run on solar energy.



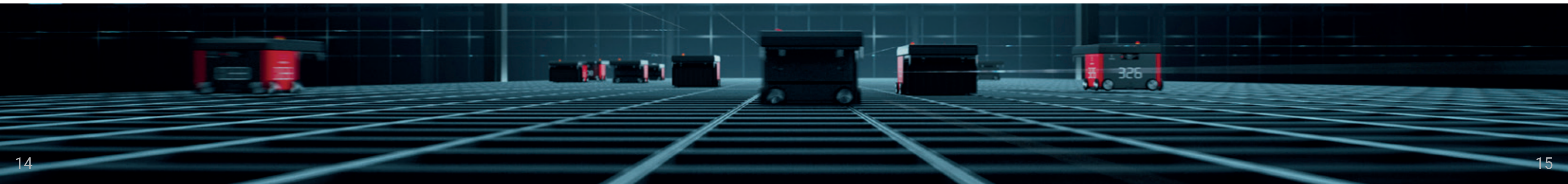
3. Reduce warehouse footprint

We design highly space-efficient AutoStore solutions. The design of the AutoStore storage grid takes physical obstacles into account. Utilizing this high-density design, our clients have **increased their storage capacity while reducing their overall warehouse footprint by up to 75%.**



4. Reduce waste

Companies share the realization of shipping waste while replenishing inventory in the grid. Many facilities put in place a program and system to compact this waste and ways to recycle.



Since 1985, Element Logic® has been optimizing warehouse performance.

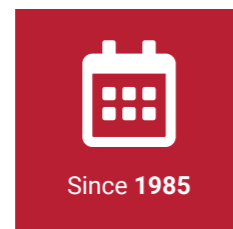
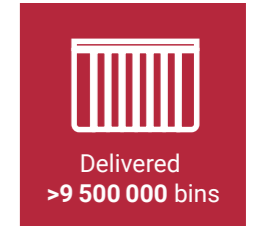
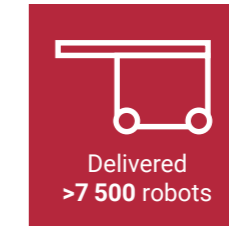
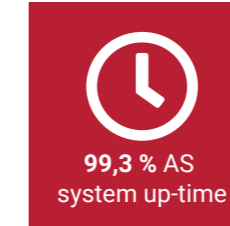
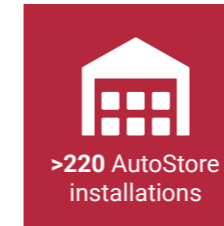
We are the world's first, and largest AutoStore® partner. In 2022 Element Logic acquired SDI, making us one of the largest system integrators in the world.

We specialize in storage and retrieval, unit fulfilment systems, and designing and installing tailor-made solutions that streamline our customers' workflow. Our robotic solutions, material handling systems, software and consulting services help improve our customers' value chain become more profitable and meet the end customer's expectation of fast delivery. We optimize warehouses of all sizes in a wide range of industries including electronic components, parts distribution, consumer electronics, 3PL, pharmaceuticals, apparel, sports equipment, and more.

Element Logic® is headquartered in Norway and owned by employees, with the European Private Equity company Castik Capital as the majority owner.

Together, SDI and Element Logic® operate worldwide with a total revenue of EUR 294 million in 2021 and form a robust integrator with numerous years of experience in diverse technologies. Our combined regional expertise provides customers the most competitive solutions across the globe.

For more information about our automated warehousing solutions and services, go to elementlogic.net and follow us on Facebook, LinkedIn and Youtube.



We are where you need us to be



Element Logic California

13000 Pierce Street,
Pacoima, CA, 91331
Tel: +1 (818) 890 6002

Element Logic New Jersey

195 Strykers Rd,
Phillipsburg, NJ 08865

Element Logic Melbourne

Prospect Ave,
Melbourne, FL 32901

Element Logic Brasil

Av. Paulista, 2537 – 10º andar, sala 10-109,
Bela Vista, São Paulo – SP
01311-300
Tel: +55 (11) 3238 4666

Element Logic Chile

Av. Apoquino 5950 of. 18-129,
Las Condes, Santiago,
Chile
Tel: +56 (22) 958 8000

Element Logic Colombia

Calle 81 # 11 – 08 oficina 04133 Bogotá,
Colombia
Tel: +57 (1) 794 3035

Element Logic México

Av. Insurgentes Sur No. 1863
piso 3, oficina 301 B
Guadalupe Inn, CDMX, C.P. 01020
Tel: +52 (55) 1328 4650

Element Logic Perú:

Avenida Dionisio Derteano N° 184 Ofc. 603,
San Isidro, Lima,
Perú
Tel. +51 1650 8348

Element Logic AS

Dyrskuevegen 26, 2040 Kløfta
Norway
Tel: +47 63 94 73 50
info@elementlogic.no

Element Logic Sweden AB

Traktorvägen 6c, 226 60 Lund
Sweden
Tel: +46 4629 2940
info@elementlogic.se

Element Logic Denmark AS

Langelinie 79, 5230 Odense
Denmark
Tel: +45 41 90 55 55
info@elementlogic.dk

Element Logic Finland OY

Tel: +358 44 590 3122
info@elementlogic.fi

Element Logic Poland Sp z o.o

Sw. Michala 43, 61-119 Poznan
Poland
Tel: +48 698 096 823
info@elementlogic.pl

Element Logic Germany GmbH

Hanns-Martin-Schleyer-Str. 3
74177 Bad Friedrichshall
Germany
Tel: +49 7136 2704970
info@elementlogic.de

Element Logic Ltd UK

Unit 3. The Coach House, Tollerton Hall
Tollerton, Nottinghamshire, NG12 4GQ
England
Tel: +44 7827 851066
info@elementlogic.co.uk

Element Logic Benelux BV

Peppelenbos 5-C, 6662 WB Elst
The Netherlands
Tel: +31 481 76 36 00
info@elementlogic.nl

Element Logic France

12 rue Alfred Kastler
71530 Fragnes la Loyère
France
Tel: +33 (0)7 67 93 17 79
info@elementlogic.fr

Element Logic Spain SL

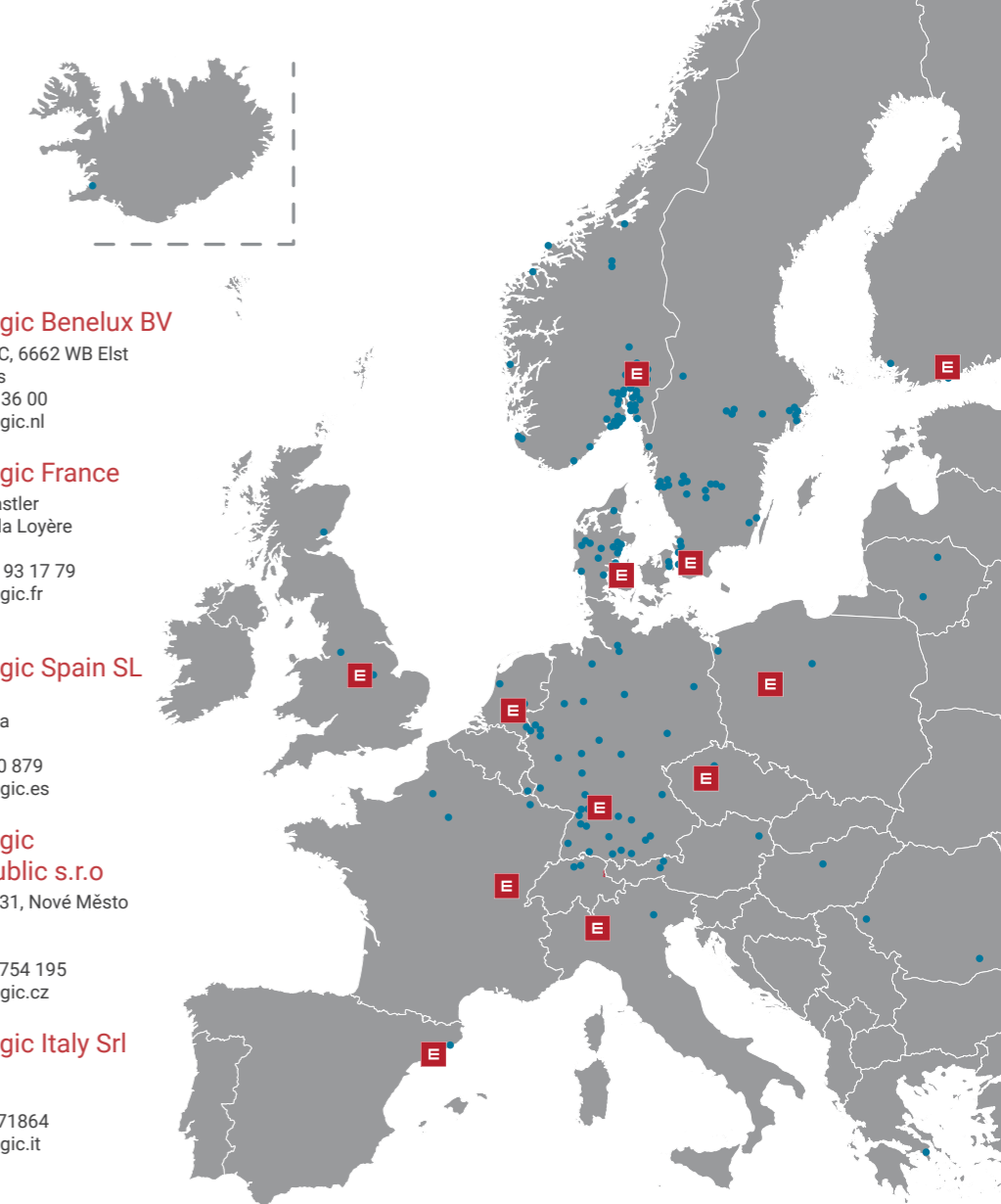
Balmes 152-2-2
08008 Barcelona
Spain
Tel: +34 669 030 879
info@elementlogic.es

Element Logic Czech Republic s.r.o

Vodičkova 710/31, Nové Město
110 00 Praha 1
Czech Republic
Tel: +42 (0)602 754 195
info@elementlogic.cz

Element Logic Italy Srl

20154 Milan
Italy
Tel: +39 335 6671864
info@elementlogic.it



ELEMENT LOGIC

OPTIMIZING WAREHOUSE PERFORMANCE