

THE CLEVER CLEANING PROCESS

FROM A CHAMPION OF SURFACE CLEANING SYSTEMS





CLEANING



OILS AND
PRESERVATION



ANALYSIS



PRODUCTION
LINES AND
MODULES



SERVICE



SUPPORT



QUALITY

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PATENTS OF NATURE – THE BASIS FOR ENVIRONMENTAL RESPONSIBILITY

Nature shows us the way:

Evolution has been perfected by nature over millions of years. Nature has continuously improved and optimized all important functions and processes while maintaining the balance of input and output.

We can all learn from nature.

Our target at SLE is to anchor the patents of nature in our thoughts and in our actions.

For this reason, this brochure uses examples from nature to explain our methods of work, the development of our products and why we are developing them.

It is important to us as an industrial company that we act responsibly and thereby impact on nature as little as possible.

At SLE, this principle has always been practiced.

Economy and ecology are not contradictions – they complement each other. In nature we speak of symbiosis – the mutual benefit of different species.

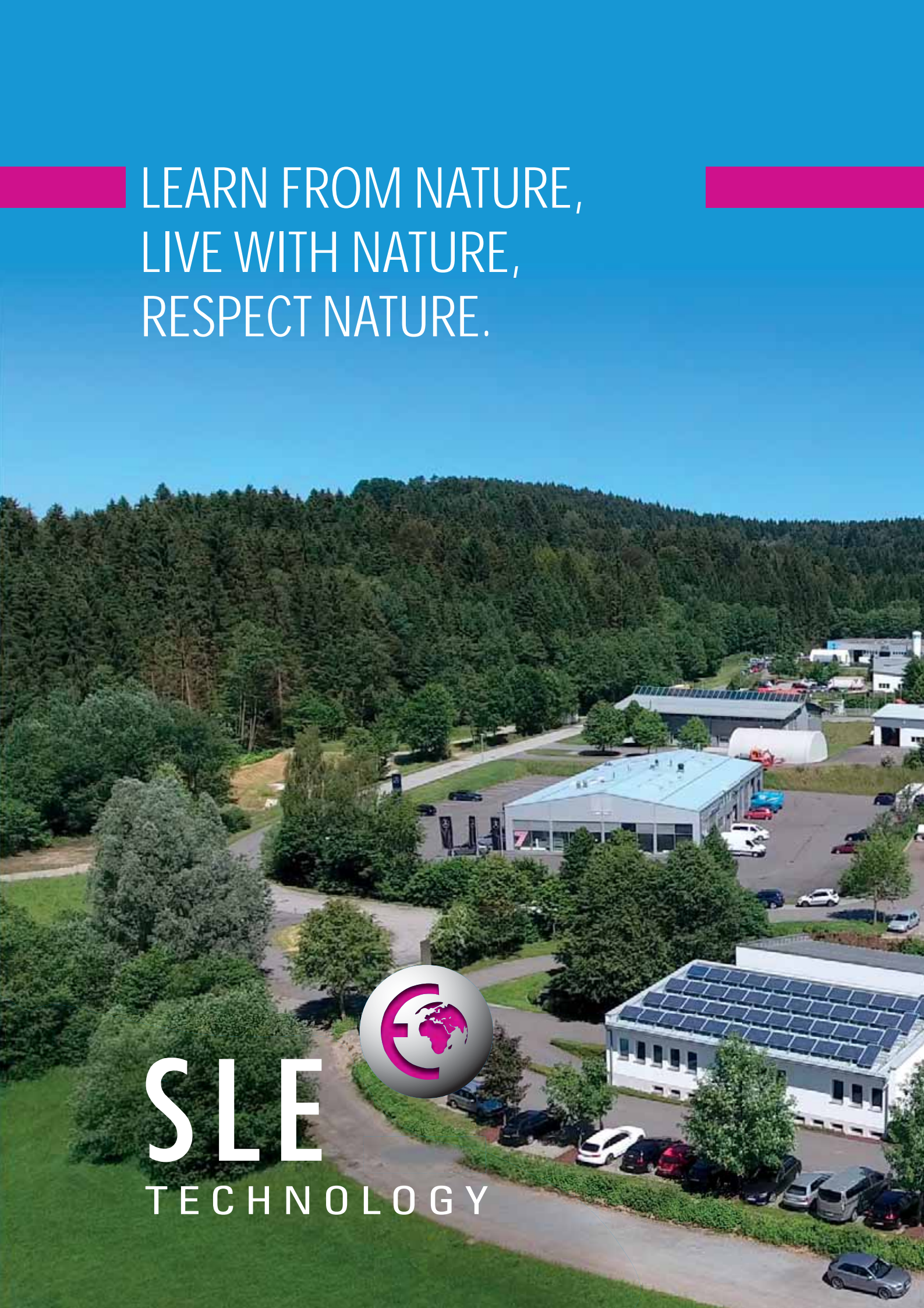
To this end, producing this brochure using CO₂ neutral printing on recycled paper simply comes naturally to us.

Your SLE Team

LEARN FROM NATURE,
LIVE WITH NATURE,
RESPECT NATURE.



SLE
TECHNOLOGY



SLE Technology is a global, leading specialist in coating, cleaning and analysis of the technical cleanliness of electromechanical components as well as the integration and optimization of technologies in upstream and downstream processes.

SLE strongly believes these processes should be environmentally friendly and sustainable. With this perspective, we will address the requirements of the future.

In terms of Industry 4.0, our machines “communicate” automatically and report when new situations arise.

Effective procedures, once created, can be integrated into the most diverse processes. Developed once – repeatedly tested and reliably used.

APPLICATION ORIENTED CLEANING

- Automotive industry
- Consumer & lifestyle
- Electromobility
- Watch industry & precision mechanics
- Bearing industry
“linear and slide bearings”
- Plug contacts & punching technology

PERFECT SOLUTIONS WITHOUT SOLUTIONS

The lotus leaf impresses us greatly with its self-cleaning surface. Constantly under attack from debris, heavy rainfall and other environmental influences – nothing sticks to the lotus leaf. The microscopic and nanoscopic surface structure reduces the degree of contamination and is especially long-lasting and therefore sustainable.

This process is very close to our procedure in terms of cleaning surfaces. At SLE, we engineer particularly good and long-lasting functionality.

Adapted to customer requirements and application-specific:

- Inline integration
- Cycle-flow
- Water-based
- Highest quality
- Closed system
- Reliable and reproducible cleaning results
- Decades of international experience in cleaning technology

Benefits:

- Higher productivity
- Environmentally friendly
- No chemical solvents
- Lower costs of disposal



CLEANING

NATURAL CLEANING SYSTEM:
THE LOTUS LEAF





PROTECTED BY THE FINEST SURFACE OIL:
THE FEATHERS

PERFECT, PRECISE LUBRICATION

The feathers of waterfowl not only permit flight but also present an effective protective surface sealant. The surface of the feathers acts like a smooth blanket. On closer inspection, it is the interaction between the exact overlap of the feathers and the ideal oil layer on the surface. This ensures perfect heat balance at any time of year and is water repellent – and all of this with the minimum amount of material.

This patent of nature is very close to our procedure in terms of oiling surfaces. At SLE, we engineer particularly good and long-lasting functionality.

Inline integration

- Coating – oiling – preserving
- Cycle-flow
- Highest quality
- Recovery of surplus media
- Reliable and reproducible results in oiling and preservation technology
- Decades of international experience with thousands of units sold

Benefits:

- Optimum use of materials
- Perfect use of oil for the application
- Protects the workpiece by complete wetting
- Targeted and bespoke oiling according to actual requirements
- Up to 70% material saving



OILS AND
PRESERVATION

PERFECT ANALYSIS WITH ALL-ROUND VISION

The sharp eyes of the owl don't miss a thing. Even during the day, diffuse light conditions and low light – there is no escaping the focus of this successful hunter. With the highest precision and care, the object of prey is analyzed, targeted and then taken down. The owl also has other high-end attributes, which makes its position in nature so unique. Almost 360 degree vision, proverbial wisdom and perfect hearing are the principles for our SLE analysis process.

In the hunt for residual dirt particles on different surfaces, our analysis processes quickly throw light on the situation. The extraction technology, specially developed by SLE, brings the almost invisible to light.

Extraction technology:

- Special medium in closed circuit
- Operator-friendly
- Attention-to-detail design avoids abrasion and particle generation in operation
- Quick blank value determination

Benefits:


- Simple and quick operation
- Saves cleaning media
- In-house application enables production to react quickly



ANALYSIS

UNIQUE ANALYSIS SYSTEM:
THE OWL





INTEGRATED APPLICATION FOR CLIENTS:

MODULAR SYSTEMATICS

MODULAR SOLUTIONS FOR COMPREHENSIVE INTEGRATION

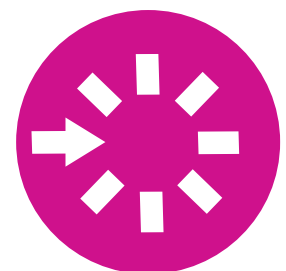
Successful models in nature often have one thing in common: the interaction of individual members for mutual benefit.

The honeycombs of bees are not just for storing food, home for offspring, a refuge for communication, long-lasting and durable – they are also geometric and the basis for many logical and useful designs, which humans have adopted. This is simply down to the ingenious form and a perfect symbol for the topic of “modular systematics”.

This patent of nature is very close to our procedure in terms of integrated applications for our clients. At SLE, we achieve high functioning coordination and network results.

Benefits:

- Reliable, high productivity
- Interactive networking solutions
- Linking of processes
- Creation of modules, for scalable, reliable and reproducible processes



PRODUCTION LINES
AND MODULES

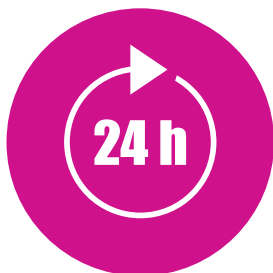
PERFECT SUPPORT AROUND THE CLOCK

The bee, due to its incredibly hard-working nature, is an outstanding mentor. The continuous and diligent search for the sweetest nectar, their impressive sense of orientation, as well as their speed and reliability make these tireless workers a model for every company. No-one would doubt the proverbial busyness of bees. By the same token everyone will agree that business is buzzing.

These facts are very close to our attitude towards our customers and their requirements. At SLE, we value long-term customer loyalty and together we create long-lasting relationships.

Benefits:

- All round service for our customers
- Original spare parts
- Precise knowledge of customer applications and machines



SUPPORT



UNPARALLELED SUPPORT:
BUSY BEES



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