



the power
of unity

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Sekisui Chemical Group **in Europe**



Sekisui in Europe comprises ten allied companies with technical expertise, social responsibility, and environmental respect. We want our stakeholders to know who we are, what we do, and that we act with responsibility – we are proud to show our colours.

Sekisui Chemical Group is a global leader in the chemical industry, focusing its expertise in three divisions: High Performance Plastics, Urban Infrastructure & Environmental Products, and Housing. Applying its technical competence and super-serving customers, the Group enhances people's lives around the world with its chemical and synthetic products, and it does so with social and environmental responsibility. Sekisui Chemical Group comprises approx. 200 companies worldwide, ten of which are domiciled in Europe.

Solid values, clear vision, and a definite position

Sekisui Chemical Group has a well-defined global environmental management plan with three overarching goals: to fight global warming, use resources efficiently, and protect biodiversity. The Group also has a three-point CSR (corporate social responsibility) policy based on compliance, risk management, and disclosure & communication. Applying these programmes the Group aims to excel in customer relations, staff empowerment, and environmental performance. Besides meeting the expectations of stakeholders – customers, shareholders, employees, business partners, local communities, and the environment – the Group is

strongly committed to preserving a global environment in which future generations may prosper. In March 2009 the Sekisui Chemical Group announced its commitment to the United Nations Global Compact. Sekisui is ensuring that the compact's ten principles of human rights, labour, environment, and anti-corruption are observed at all locations.

Sekisui Chemical Group has set its target to reduce CO₂ emissions by 5 % from 2008 to 2013. Emissions are controlled and monitored at all plants, and waste has been reduced by strict management of material flows. Sekisui companies are continually adapting their portfolios to include environmentally friendly and advantageous products and services such as high-performance insulation, multi-functional interlayer film for car windows, infrastructure rehabilitation, ultra-lightweight automobile components, and zero-utility-cost housing. Many of these products are taken for granted as they add safety, comfort, health, and value to people's daily lives around the world.

Sekisui Chemical Co. Ltd. was established in 1947. The Sekisui group today employs some 20,000 people worldwide with factories in Australia, China, Europe, Japan, South Korea, Thailand, the USA, Mexico and Canada, and the Sekisui Group is a leading global provider of chemical solutions.

Responsible European citizens

Approximately 1500 employees working in ten European companies (nine business companies and one holding company supporting the European businesses) of Sekisui Chemical Group are managed independently but they all share the Group's values and vision. Besides creating value, serving society, and advancing the technology in their respective markets, the European Sekisui companies act with strong social and environmental responsibility. They fully support REACH as Europe's most important and effective program for controlling harmful substances in the manufacturing chain. They each have an environmental management system, 5 of which are ISO 14001 certified. The European companies each have their own CSR management program led by the company president, directed by the management, and implemented by the entire staff. The companies' action plans include internal and external measures such as student programs to build environmental awareness, waste reduction programs and research projects.



corporate social responsibility

CSR strategy

Contributing to society through our business activities, in order to create social value while fulfilling stakeholder expectations.

As a group of responsible companies, Sekisui Europe integrates ecological, economic, and social considerations into its daily operations. The group seeks to create value not only by offering high-quality products and services, but also by protecting the environment and ensuring human safety. As a guide in this effort, the group has defined four strategic CSR goals for the current period 2011 to 2013:

1. Develop and improve environmentally beneficial products
2. Further reduce the environmental impact of business activities
3. Support urban biodiversity, reduce CO₂ emissions, and protect water resources
4. Foster a corporate culture with strong environmental awareness

Environment

The Sekisui Europe group takes environmental responsibility seriously, considering it in all processes and products. Most group companies operate with an environmental management system certified in accordance with DIN EN ISO 14001. At audits conducted annually by external certification bodies, the companies explain their environmental management strategy and related actions. Although it may not be possible to exclusively adopt environmentally friendly products or processes in all business areas, the companies constantly review their operations to find substitution opportunities.

Customer Satisfaction & Quality

Customer satisfaction requires high-quality products and services, and delivering this is a daily goal of hundreds of employees of the Sekisui Europe group. Although representing a range of industries, the companies jointly conduct benchmarking in various areas. In constant exchange with one another, they build synergies and together develop best practices. Some of the companies operate with a DIN EN ISO 9001 certified quality management system. Companies in the same field collaborate closely in development and manufacturing to efficiently optimise products. This includes trial production runs to thoroughly test products for market readiness. The companies regularly conduct customer surveys.

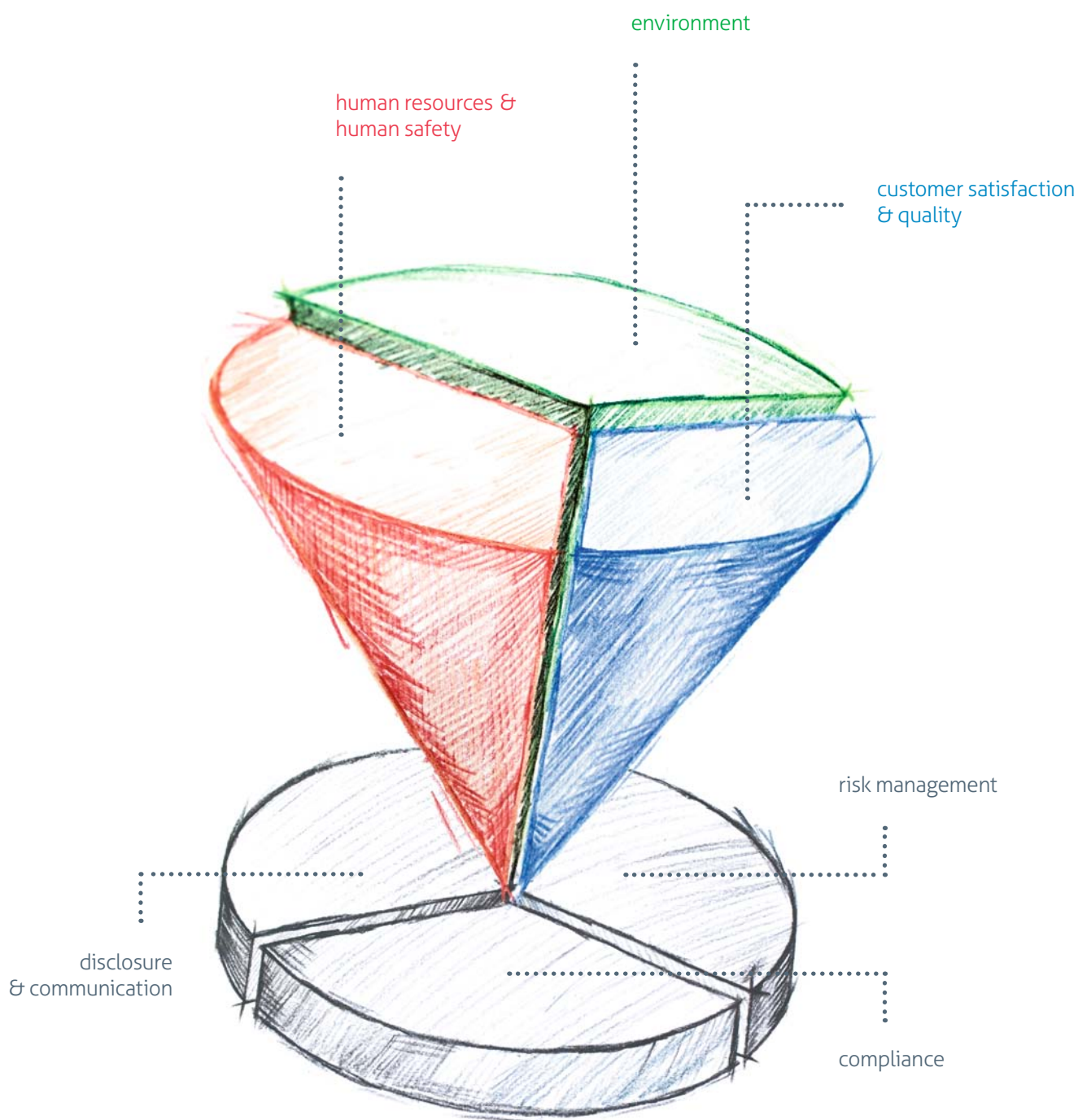
Human Resources / Safety

Employees are the capital of every company. Sekisui Europe employees not only generate value for the business and create a good corporate climate, they are at the centre of corporate communication. The satisfaction, safety, and health of all employees is a prime concern at Sekisui Europe – a concern that has been put into action.

Most companies have in place safety policies and systems that exceed legal requirements. Some have occupational health and safety management systems certified in accordance with OHSAS 18001 or SCC, and thus operate with a heightened level of safety. Some Sekisui Europe companies conduct regular surveys to verify employee satisfaction. This practise

is to be spread to all Sekisui Europe companies.

All Sekisui Europe companies have in place a risk management system to duly recognise and control occupational risks and hazards. These systems are being constantly updated. Legal compliance is of course a matter of standard operating procedure.



CSR best practice examples

environment



Commuting by bicycle & saving water

American Diagnostica's office is located in a small town and therefore many employees that live nearby ride their bicycle to the office. To save water rainwater is collected in storage tanks for non drinking purposes.



Zero emission plant

Due to the installation of a high performance filter systems in Eslon's factory, processing water is continuously re-used. As a result the water consumption for production is nearly zero.



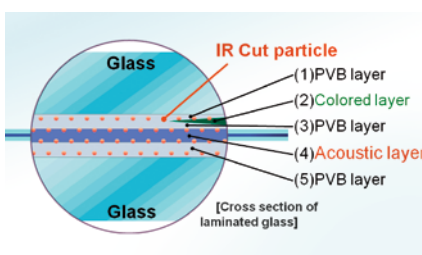
Fire prevention

SEKISUI Diagnostica (UK) completed a project to improve fire prevention. This included installation of a new fire sprinkler system. To protect the environment we also installed a complete site containment system that prevents environmental contamination.



Energy Survey

Using energy consultants SEKISUI Diagnostica (UK) recently carried out a factory energy efficiency study to identify opportunities to reduce energy usage and carbon emissions. The opportunities have been prioritised and work is underway to make the improvements.



Sound and Solar Film

The world's first five layer nano-technology from SEKISUI S-Lec achieves outstanding sound and heat blocking performance. Reducing the load on the engine helps cut carbon dioxide emissions and contributes to eco-friendly cars with better environmental performance.



IPPC Implementation

SEKISUI Specialty Chemicals was one of the companies that implemented the IPPC (Integrated Pollution Prevention Control) in 2001 in accordance with the commitment to the environment. This helps to quickly conform to requests and controls associated with the IPPC.



Package information on CDs

Package information on CDs instead of paper helps to reduce the amount of CO₂ emissions during manufacturing of paper and to reduce costs at SEKISUI Virotech site.



SPR™ technology

With SPR™ from SEKISUI SPR the lifespan of aged underground sewer pipes can be doubled without digging. The minimal invasive construction process reduces traffic in urban areas, CO₂ emissions and protects groundwater.



NORDIPIPE™ technology

NORDIPIPE™ from SEKISUI SPR is a technology to rehabilitate potable water pipes. It ensures clean water, reduces drinking water losses and saves resources compared to deteriorated old water pipes. It is installed trenchless with minimal impact on the environment.



TUBETEX™ technology

TUBETEX™, a needlessly woven hose manufactured by SEKISUI SPR, is installed to rehabilitate gas pipes. It also prevents pipe bursting and therefore reduces the immense risk to the population and the environment.



customer satisfaction/ quality



Around the clock availability

American Diagnostica's office phone is transferred to mobile phone after office hours so that customers can reach customers service at any time also on bank/public holidays and during weekends.



Co-extruded rain gutter

The outside layer of the Eslon rain gutter is ensuring a high UV resistance while the inside material is of a lower grade. In this way a high-tech, colour stable gutter is available for a low price.



Integrated management system

The IMS from SEKISUI Speciality Chemicals Europe is the tool to ensure the commitment with the environment, the health and safety of the employees, suppliers, customers and neighbors, accident prevention, product quality and optimum management through the accomplishment with the norms: ISO 9001, ISO 14001, OHSAS 18001.



Cepheid Distributor award

Cepheid awarded the prize world-best distributor to SEKISUI Virotech GmbH two years in sequence for 2009 and 2010.



Confirmed quality

SEKISUI Alveo surveys its customers every year to find out what they think of the company's products and services – and consistently receives high notes.

human resources / safety



Safety teams

Dedicated persons in all shifts in Eslon are kept up to date regarding safety procedures to be able to handle emergency situations. In this way injuries and damage is prevented and/or limited.



High Purity Glucose Enzymes

SEKISUI's range of high purity glucose enzymes is used by our customers to produce blood glucose tests which help millions of Diabetes patients worldwide to monitor the blood sugar levels and to manage their disease.



Safety Champions

The safety culture is totally integrated among SEKISUI Speciality Chemicals Europe employees. A good range of tools and the higher safety standards have allowed achieving the goal of only one loss time accident in 15 years.



Job ticket for employees

Sponsoring by SEKISUI Virotech of public transportation for employees through annual season tickets help to reduce CO₂ emissions and to increase happiness of employees.



Driver safety and fuel saving training

SEKISUI SPR offers driver safety and fuel saving trainings to mobile construction workers. Besides the safety and environmental aspect also cost savings are achieved through reduced fuel consumption.



A people company

With fair management principles and core values formally defined by its entire staff, SEKISUI Alveo operates with great respect for people both inside and outside the company.

SEKISUI S-LEC

NETHERLANDS



Employees: 175 **Markets:** automotive, architecture **Sales offices:** Roermond, Netherlands **Plants:** Roermond and Geleen, Netherlands **Research:** Minakuchi site, Japan **Products:** S-LEC™ Clear film, Colour film, Shaded film, Sound Acoustic film, Solar Control film, Sound and Solar film and a decorative film

The company has excellent production facilities, technical support teams and a network that enables us to meet all our customers' needs. We work closely with leading glass manufacturers. Where possible, our technical engineers assist customers by finding solutions to increase production line efficiency. We occupy a strong market position with unique technology and high performance products. We work continuously to improve products and production processes. Established in 1996, Sekisui S-Lec™ employs 175 employees in two subsidiaries in the Netherlands (Roermond and Geleen).



Sekisui S-LEC B.V. is a leading worldwide company in glass interlayer technology for the automotive and the architectural industry.

SEKISUI SPECIALITY CHEMICALS

SPAIN

Employees: 88 **Markets:** Chemistry **Sales offices:** Netherlands, France, Germany, Finland **Plants:** Spain **Research:** HTC Houston, Texas **US Products:** SELVOL™ (Polyvinyl alcohol)

SEKISUI

Sekisui Specialty Chemicals was formed on July 1, 2009, when it acquired the Polyvinyl Alcohol (PVOH) Chemical business from Celanese. Its mission is to: Produce and sell SELVOL™ Polyvinyl Alcohol, in compliance with the specifications required by our customers while offering efficient technical service and at the same time:

- Creating and sustaining job opportunities
- Preserving the natural environment
- Generating profits for our shareholders

Since the founding of this Company in 2009, our operations have been governed by values and policies that form the ideological DNA of the Company – values that allow it to operate honestly, with integrity, and in total compliance with applicable laws.

**SPR**

Sekisui SPR is a global specialist for trenchless rehabilitation of underground infrastructure networks, including sewer, storm-water, gas and water pipes. The company's innovative, cost-effective, minimally invasive technologies can double the lifespan of supply and drainage pipes by contributing to the environment and nature. The strengths of Sekisui SPR lie in the integration of local technical expertise and construction experience within the group, combined with global connections via a worldwide sales and support network. Sekisui SPR Europe employs a total workforce of 450 and operates in over 40 countries, securing optimum results for the customer and the environment – from the planning stage to installation.

Employees: 450 **Markets:** Trenchless Pipe Rehabilitation **Sales offices:** Schieder-Schwalenberg, Hanover, Hamburg, Munich, Duisburg, Leipzig (all D), Liège (B), Paris, Moscow **Plants:** Schieder-Schwalenberg (D), Liège (B) **Research:** Schieder-Schwalenberg (D) **Brands:** Spiral Wound Technologies (SPR) SPR™, SPR™ PE, SPR™ EX, SPR™ ST and Cured in Place Pipe (CIPP) Technologies, NORDIPIPE™, TUBETEX™, UNILINER™, NOR-DIWALL™, PULL-INLINER



SEKISUI
SPR EUROPE
GERMANY



SEKISUI DIAGNOSTICS

UNITED KINGDOM



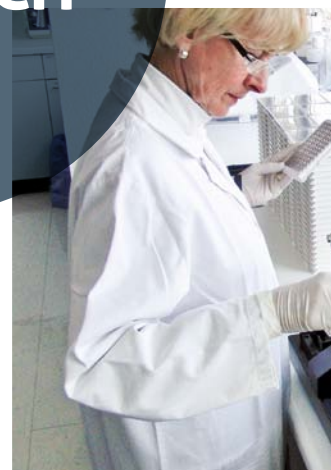
Employees: 120 **Markets:** Clinical diagnostics manufacturers and distributors **Sales office:** West Malling, Kent, UK **Plant:** Allington, Kent, UK **Research:** West Malling, Kent, UK **Products:** Critical Raw Materials (enzymes, substrates and other proteins) used in Diagnostics Reagents. Formulated Clinical Chemistry Reagents, Infectious Disease Rapid Tests

strates which are used in the manufacture of clinical diagnostic reagents and Point of Care devices. With core competencies of fermentation and protein purification, the company is a leading manufacturer of diagnostic enzymes such as those used in glucose and cholesterol tests which are important in the management of diabetes and cardiovascular disease. Sekisui Diagnostics (UK) is also the International commercial office responsible for sales and customer service of Sekisui Diagnostics' Clinical Chemistry Reagent and Rapid Test product lines to all territories outside of the Americas and Japan.



Founded in 1986 Sekisui Virotech has developed into a global provider of Serological Assays for many minor infectious diseases and over the years has constantly revised and extended these ranges. The company also very successfully markets 15 high quality product lines in Europe, USA and Australia. In 2003 the company started in the contract manufacturing business and constantly extends this business. The main domestic customers are private laboratories and hospitals, with a trend of consolidation into big laboratory groups. On an international basis Sekisui Virotech successfully collaborates with 40 specialised distributors, mainly concentrated in Europe.

SEKISUI
VIROTECH
GERMANY



SEKISUI ALVEO SWITZERLAND



SEKISUI **A⁺ ALVEO** INNOVATION IN FOAM Sekisui Alveo is the preferred European provider of solutions in high-performance polyolefin foams. Known for innovation in foam, the company offers a wide range of crosslinked and extruded products, and works closely with customers to engineer new purpose-designed, value-enhancing foams. Sekisui

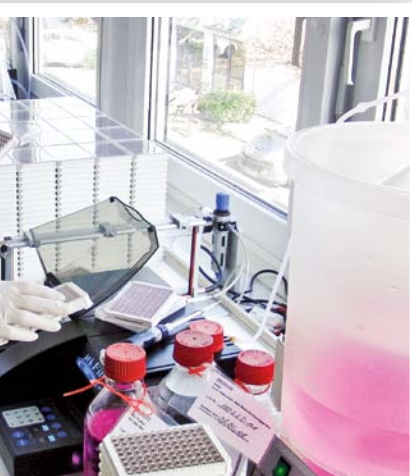
Alveo engineers are highly qualified and experienced in the markets the company serves: adhesive coatings, artificial turf, automotive, construction, consumer goods, and industrial. Established in 1971, Sekisui Alveo employs 500 people in 12 countries. The company's head office is in Lucerne, Switzerland, and it has local offices throughout Europe and in South America.

Employees: 500 **Markets:** Adhesive coatings, Automotive, Construction, Consumer goods, and Industrial **Sales offices:** Switzerland, Germany, The Netherlands, Italy,

Spain, France, United Kingdom, Czech Republic, Brasil **Plants:** Roermond (NL), Bad Sobernheim (D), Merthyr Tydfil (UK, Wales)

Research: Application Services Laboratory in Lucerne **Products:** Alveolit, Alveolen, Alveocel, Alveosoft, Alveolux, Alveobloc, Alveosport

Employees: 129 **Markets:** Diagnostics (Infectious Diseases) **Sales office:** Rueselsheim, Germany **Research:** Rueselsheim, Germany **Products:** ELISA and Line Immuno Assays for the Infectious Diseases Serology



SEKISUI Sekisui Chemical GmbH was established in 1962 as the representative organization of Sekisui's European operations to provide various advanced solutions through import and export activities between Sekisui Japan and the European markets. In line with our fundamental philosophy of enhancing Customer Satisfaction, we are offering the products to the various markets such as Automotive, Chemicals, Electronics (Information Technology), Functional Materials and Medical.

Our mission is to provide cutting-edge technology while adhering to the highest standards of corporate responsibility.



AMERICAN DIAGNOSTICA

GERMANY



SEKISUI American Diagnostica GmbH was founded in 1996 as the German subsidiary of American Diagnostica Inc. (Stamford, CT, USA) to serve end customers in Germany, Austria, Switzerland and Eastern Europe. Since 2010 American Diagnostica is additionally managing the European OEM business of Sekisui Medical and

Employees: 6 **Markets:** *Diagnos-
tics and Research (coagulation, fibrinolysis,
vascular biology, breast cancer)* **Sales
offices:** *Pfungstadt, Germany* **Research
Laboratory:** *Heidelberg, Germany*
Products: *Immunoassays, chromogenic
and clotting assays, antibodies, pro-
teins, substrates*

since 2011 we are also responsible for the collaboration with the American Diagnostica distributors in the whole of Europe, Middle East and Africa. American Diagnostica offers test kits and reagents for clinical diagnostics and biomedical research in the fields of coagulation, fibrinolysis, vascular biology and breast cancer and has also a small production and R&D unit which supports the production facilities of the US headquarter.



SEKISUI CHEMICAL

GERMANY



Esilon, founded in 1974 and located in Roermond the Netherlands, is a modern extrusion and injection-moulding company specialised in the production of building products made from recyclable PVC. Our rain gutters, panels and ventilation products are sold in Europe and North Africa to professional installers and DIY chains. We produce in line with the ISO 9001 and ISO 14001 requirements. Being a partner of the Vinyl Foundation we support durable and environmental responsible products and production techniques.



ESLON

NETHERLANDS

Employees: 45
Markets: European construction- and DIY-market **Sales**

offices: (sales through distributors throughout Europe) **Plants:** 1 **Research:** 1 **Products:** Gutter systems, Panels and Ventilation systems



Key facts of Sekisui Europe

.....
10 companies
9 plants
7 research units
27 sales offices
~1500 employees
.....





family members

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