



**More profit for you.
More value for our world.**

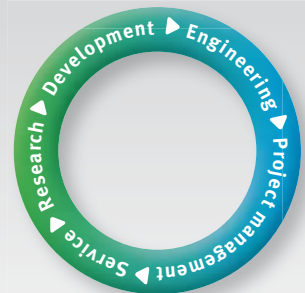
Rethink. Recycle.

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SiCon provides turn-key processing and treatment plants and develops innovative recycling processes. Recyclers from various industries rely on us as a full-service partner. From conception through procurement and delivery to installation and start-up: **SiCon** realizes recycling plants for processing shredder residue of all kinds. Processing and performance objectives are defined in close cooperation with our customers. Every requirement is engineered to build a custom-made solution. Highly efficient, environment-friendly and economic.

The facts

- ▶ Founded in 1998
- ▶ 17 employees
- ▶ 4 locations in Germany, Belgium, America and Slovakia



Competence for your business

Every industry has specific requirements, regulations and quality standards. For more than 12 years **SiCon** has been working in close cooperation with companies from different industries. During this period we have developed a thorough understanding of our customers needs – and we are willing to learn more every day.

- ▶ Scrap industry
- ▶ Plastics recycling
- ▶ Electronic waste recycling
- ▶ Steel industry
- ▶ Paper industry



Development is our duty

Reducing operating costs, reducing waste, reducing environmental impact: These factors are essential for the development department of **SiCon**. Every single day we experiment and explore new ways to find the best solution. This allows us to develop individual recycling applications on the basis of mechanical separation and processing technology. Our recycling processes are innovative, modular, comprehensive and offer maximum cost efficiency. The focus of our work is always on our customers' needs.

VW-SiCon process

For treatment of shredder residue

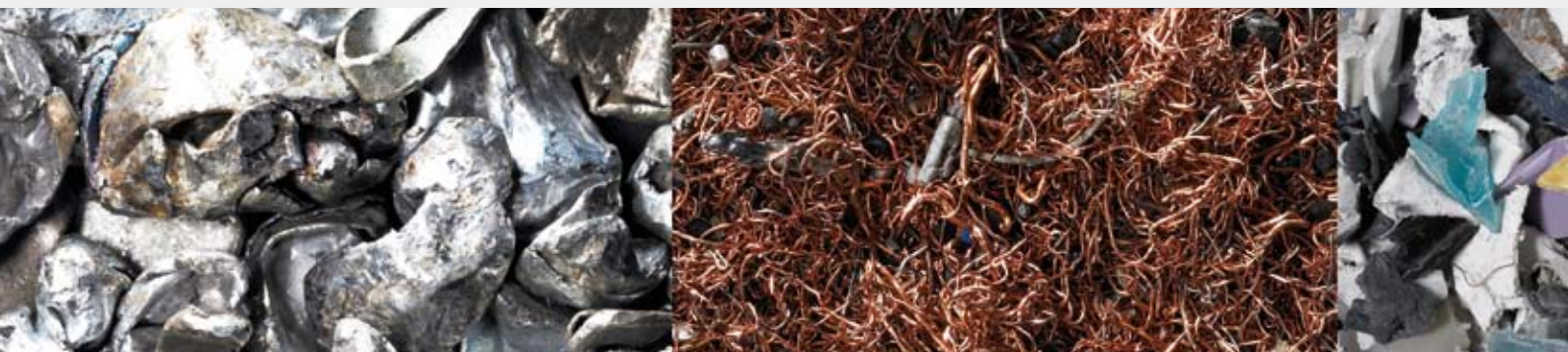
Developed by Volkswagen AG and **SiCon** this modular process can be adapted to the requirements of the shredder operators. The process produces high quality end-products which can be utilized in various recycling processes. More than 95% of the shredder residue can be recycled into usable products such as substitute reducing agents for iron making or fuel surrogates.

A worldwide success-story: By mid 2011 the annual treatment capacity of the **VW-SiCon** process will have reached 400.000 tons.

Varisort

Inductive metal detection at its best

Experience a new dimension in high quality metal recovery with **Varisort**. Developed by **SiCon** and S+S it uses the induction principle to separate metals from non-metallic materials. Even stainless steels and insulated cables can be recovered efficiently. Whether metal refining, shredder residue or electronic scrap: Every **Varisort** system is custom-tailored to specific requirements.



Finestuning®

Increases the profit of ASR-fines recovery

Finestuning® is a system which recovers valuable ferrous and non-ferrous metals from the ASR-fines waste stream in scrap yards. It makes use of powerful magnetic elements to separate components from the shredder residue. Reclaiming these valuable materials can be worth tens of thousands of Dollars annually. On average a **Finestuning®** investment amortizes itself within 9 to 21 months!

Polyfloat®

99% pure plastics

Polyfloat® is the leading technology for density separation of plastics from shredder residue as well as electric and electronic scrap. At least 99% purity is achieved. The secret is the innovative lamella separation system which eliminates the air bubble effect of traditional wet separation technology. Combined with high precision working process control equipment, **Polyfloat®** sets a new quality standard for plastic recovery.

ReEnvision®

A comprehensive concept

After years of research in close cooperation with the University of Siegen (Germany) **SiCon** has developed a comprehensive concept to generate a synthetic gas rich in hydrogen from biomass and/or substitute fuels. The **ReEnvision®** concept comprises the whole chain of energy generation – starting with the supply of quality-assured substitution fuels. Besides other applications, the synthetic gas generated by the **ReEnvision®** process may be used as fuel gas.



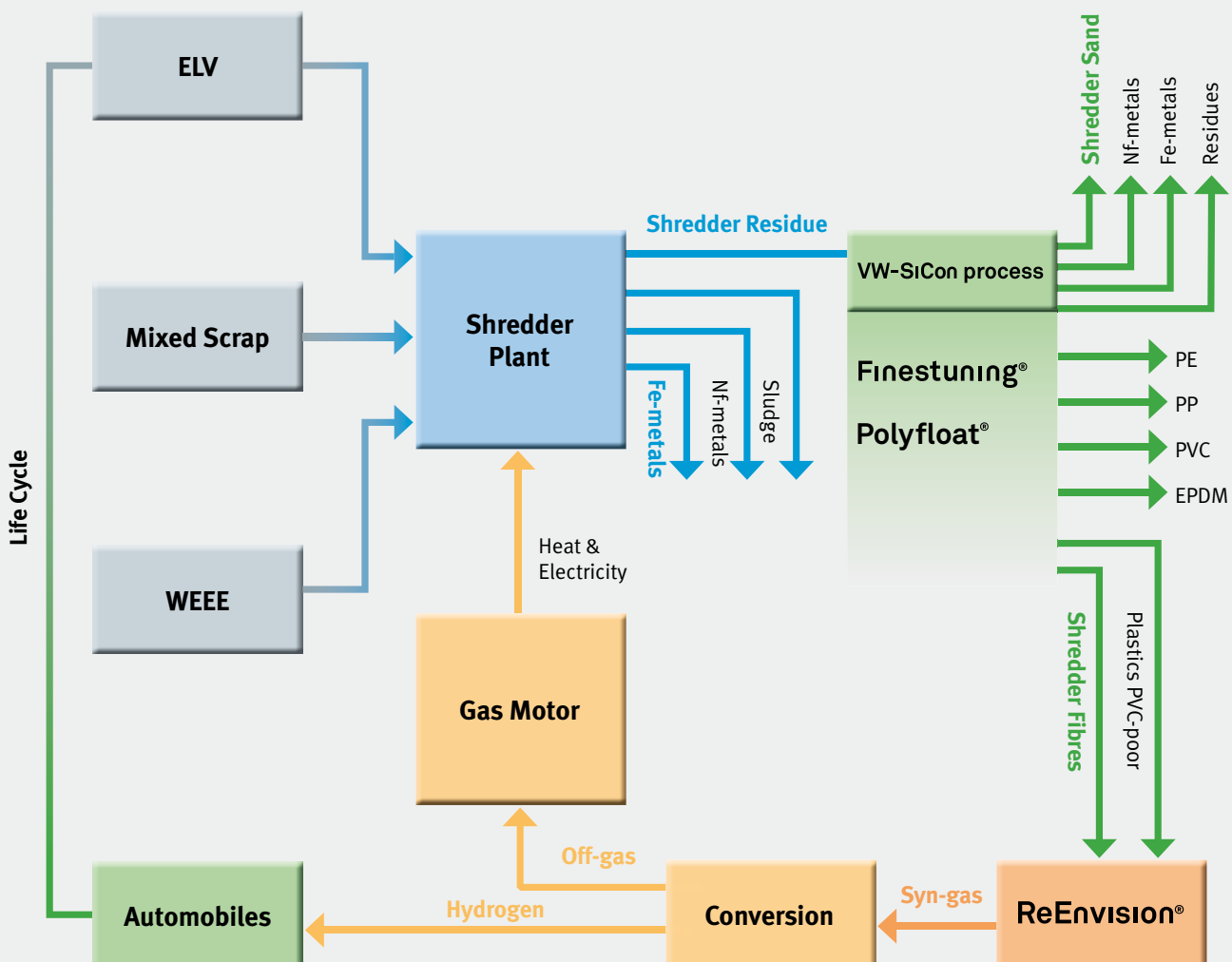
Research for future solutions

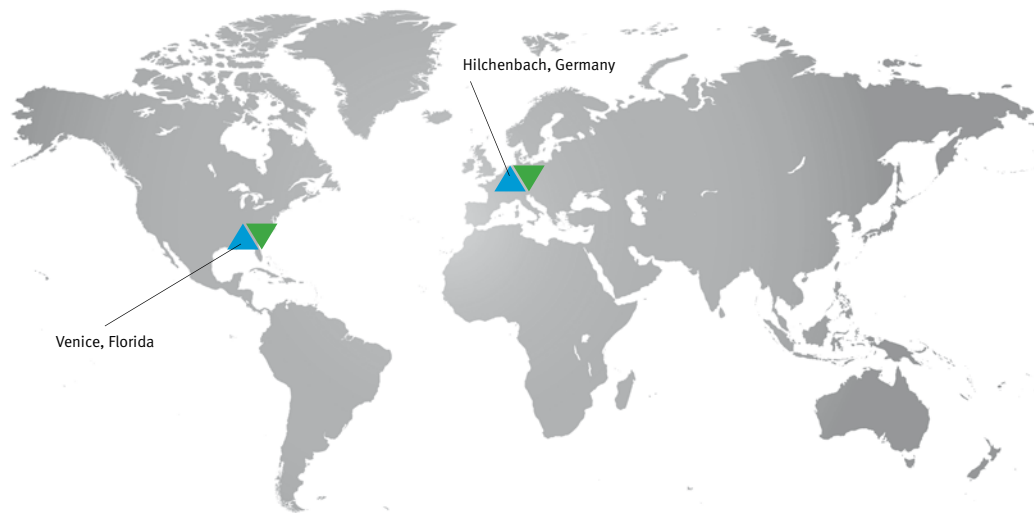
Cooperation with distinguished research institutions enables the transfer of scientific developments to operational practice. We constantly improve our plants and recycling processes – to make them more effective, more cost-efficient and more sustainable. Together with reliable partners we invest considerable time and money into research and development of new methods that offer our costumers a competitive advantage. At **SiCon** we are committed to finding the optimum solution at minimum risk.



More profit for you. More value for our world.


Whether you shred or separate material, whether you treat residues or recycle – with **SiCon** you can get more out of your valuables. As system supplier for recycling technology we develop groundbreaking solutions. Trust in **SiCon** to increase your profit and to protect the environment.





Contact us – the recycling experts

With more than 12 years experience in the recycling industry **SiCon** is your reliable partner for the engineering and realization of recycling plants. Many well-known recyclers already trust in our services. When will you contact us to get more out of your residues?

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