

SILICON



Your partner for all refractory anchoring solutions



Full-Service Solutions Provider

Engineering - Production - Installation

SILICON Total **Solution** Services

Experts

Our **international** experts are your initial point of contact, dedicated to finding the ideal solution that fits your requirements and budget. The Inside Sales team calculates your quote and advises you towards the optimal choice. With 40 years of technical and metallurgical expertise, we handle any request.

Our multicultural sales team can handle every order in **6 different languages!**

Livestream free demo

Easily tune into our live stream from any device and location! SILICON has made a significant investment in a **Live Stream studio** in response to the challenges posed by the COVID-19 pandemic. This initiative enables us to showcase our technology and share our expertise with you in a personalized manner.

Engineering and Consultancy

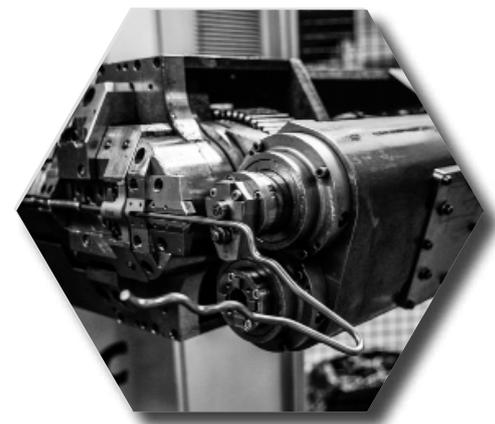
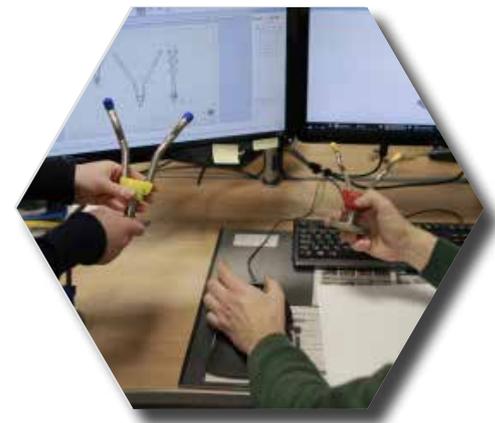
Our engineers are champions at finding the ideal solution for your application. Do you have problems or processes that require a **totally new anchor solution**? No problem!

We can also **re-engineer** self-designed anchoring systems according to your own drawings, samples or sketches, thus transforming hand welding specifications to Rapid Arc Weldable ones. If you would like our advice on which alloy to choose for your specific application, our **metallurgical consultancy** service is highly recommended.

Refractory Anchor Manufacturing

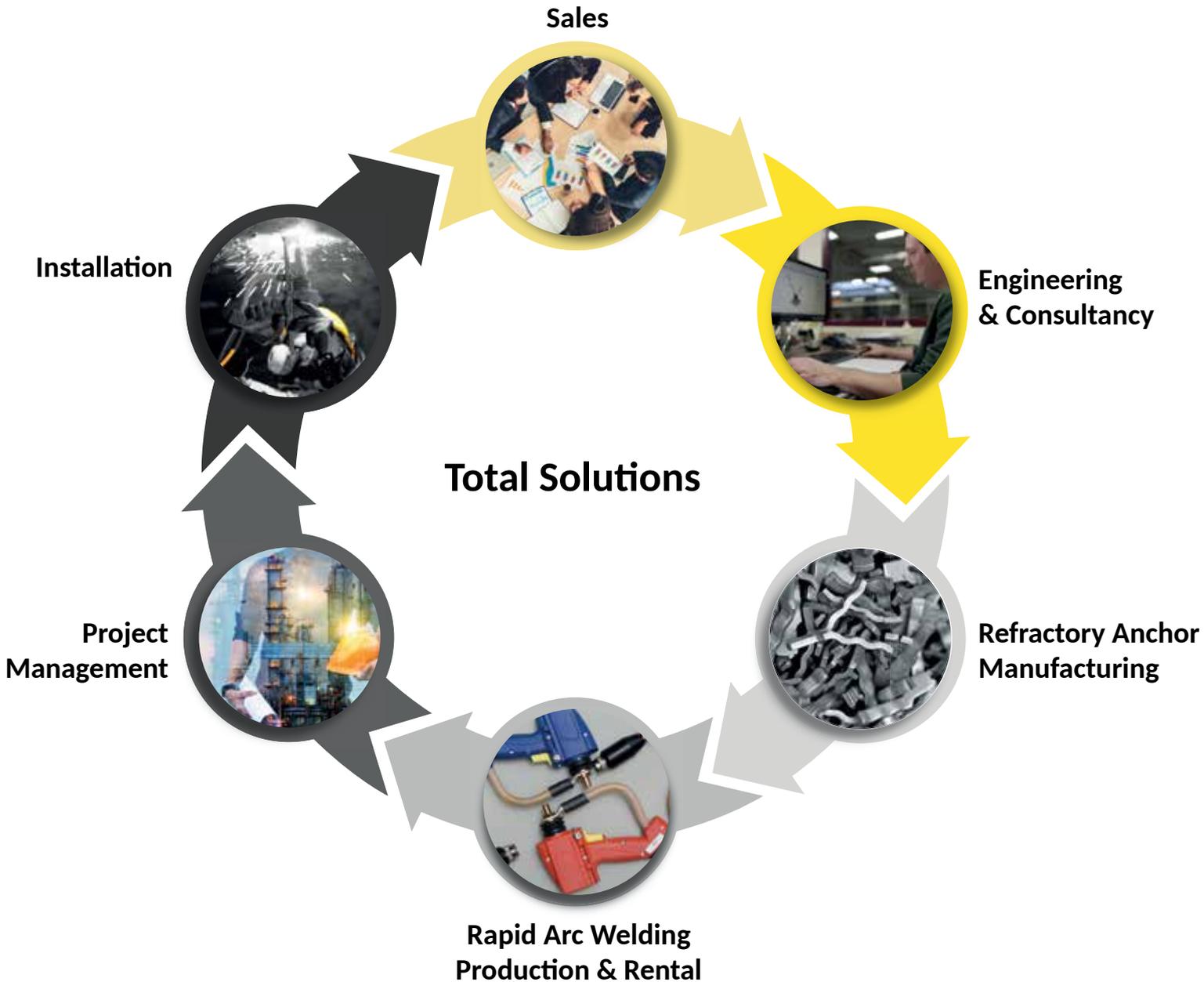
SILICON has its own **in-house production** facility, meaning fast delivery and high-quality production of refractory anchors with total control. When we manufacture refractory anchors, they are not just “pieces of steel” to us. They are finely engineered components with your refractory applications in mind.

We keep **large stocks** of various high-temperature alloys like 310, 330, 800, 601, and 625 in shapes such as round bars, flat bars, plates, and round wire. With **Positive Material Identification** (PMI), we make sure that all incoming raw material is as ordered.



Refractory Anchoring Solutions

A one-stop shop for your refractory project, from engineering to production and the final installation with a crew on site. We provide the technical and metallurgical expertise required to bring refractory anchors, and their installations, to the next level.



Sustainability

In today's world, every responsible business must play a part in shaping a sustainable future.

What does sustainability mean to SILICON?

Reusable anchors: Our SpeedBolt® solution is built to last over five years in service, eliminating the need for replacements during your next Turnaround! Long-lasting solutions: Our SpeedCell® effectively doubles the lifespan of burner pipes, cutting down on the need for environmentally harmful repairs.

Did you know that we release zero emissions during the installation thanks to RAW technology?



Success Stories

Our projects span the globe, reaching from Singapore to Canada, and across diverse industries. At SILICON, we cherish each project because they enrich us with invaluable knowledge and experience that we eagerly share with our next customer.

Explore our latest website page, "Success Stories," to hear directly from our customers about our innovative solutions, our collaborative approach, and the exceptional quality of our products and services. You might uncover SILICON solutions perfectly suited to your needs. Reach out to us for a comprehensive reference list tailored to your industry!

APPLICABLE
IN **MANY**
INDUSTRIES



Petrochem



Cement



Power



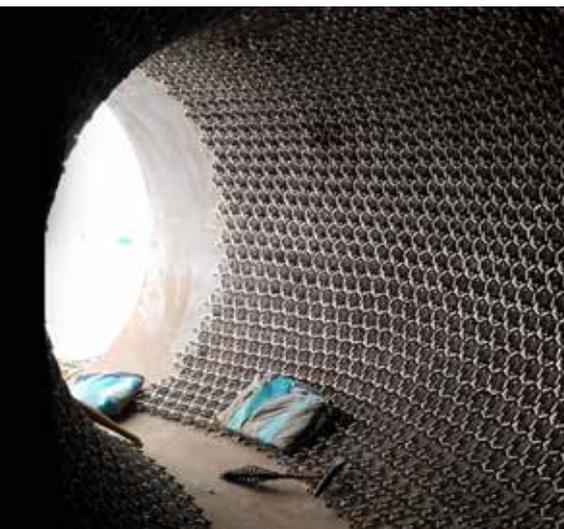
Shipbuilding



Steel



Read and see our projects!





RAW Production and Rental

Besides refractory anchors, we produce and continuously develop our Rapid Arc Welding (RAW) technology. All RAW machines, guns, and cables are **fabricated and tested in-house** for optimum safety. If you would like your own workforce to install the anchors, we **rent out** RAW equipment and **train your team** to guarantee the best results.

What is Rapid Arc Welding? (RAW)

Developed exclusively by SILICON, RAW is an innovative method of fixing refractory anchors inside high-temperature vessels and furnaces.

Using RAW technology rather than conventional stud welding, our teams can dramatically **reduce the installation time** while achieving unparalleled precision (0.1% rejection rate!).

Project Management

Our dedicated Projects Team mobilizes everything needed for a smooth installation and Turnaround, from the anchors and the RAW equipment to **our very own SILICON installation crew.**

Emergency service:

You can count on us to respond quickly, typically within **24 to 48 hours**, thanks to our flexible team of welders who are always ready to tackle emergencies. We understand the value of time in your industry—every minute counts.

Installation

Unfortunately, some customers have had poor experiences with the “conventional” stud welding technology, driving them away from any welding gun. Allow us to show you why our **computer-controlled** RAW equipment is recognized worldwide for its ability to optimize the quality, speed, and safety of the anchor installation process.



SILICON



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Corporate Vision

To positively impact industries by providing superior anchoring systems and time saving Rapid Arc Welding services.

Corporate Mission

To provide the technical and metallurgical expertise required to bring Refractory Anchors, and their installations, to the next level.



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