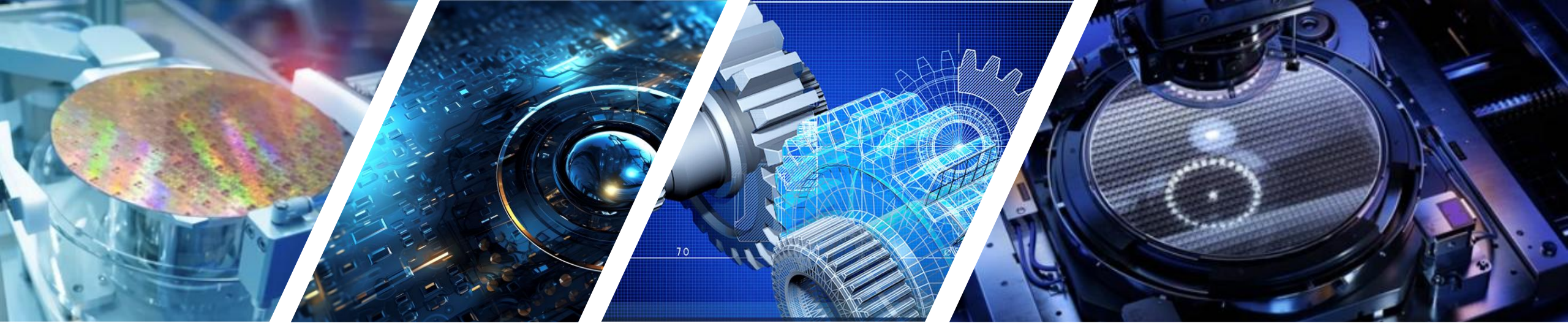


The logo features a light blue circle with a thin black crosshair (vertical and horizontal lines) centered on it. To the right of the circle, the word "source" is written in a bold, dark blue, sans-serif font. Below "source", the words "engineering services" are written in a smaller, italicized, dark blue, sans-serif font. The entire logo is set against a light blue rectangular background.

source
engineering services

GLOBAL ADVANTAGE / LOCAL SOLUTIONS



End-to-End Productization Capabilities



SES Background

- Source Engineering Services started in the year 2009
- Source Engineering Services is a US-based Engineering Design company with specific emphasis on Semiconductor Equipment engineering
- We serve the top 3 Tier 1 customers in Semiconductor equipment industry – ASML, Applied Materials, LAM etc.
- We are the trusted partner for delivering complete and quality engineering solutions
- We are on the cutting-edge of strategies and technologies in the Semiconductor Capital Equipment Industry
- Proven ability of understanding customer requirements and quickly engaging and executing on the plan
- Total of 240 employees worldwide.
- Cost effective business solutions with tailored Business models

SES Worldwide

US Office- Headquarters

Source Engineering Services
2880 Zanker Road #203
San Jose, CA 95134

Source Engineering Services
17150 Via Del Campo Ct. #303
San Diego, CA 92127

East Coast NY

Source Engineering Services
15 River Road Suite 15B
Wilton CT 06897

EU Office

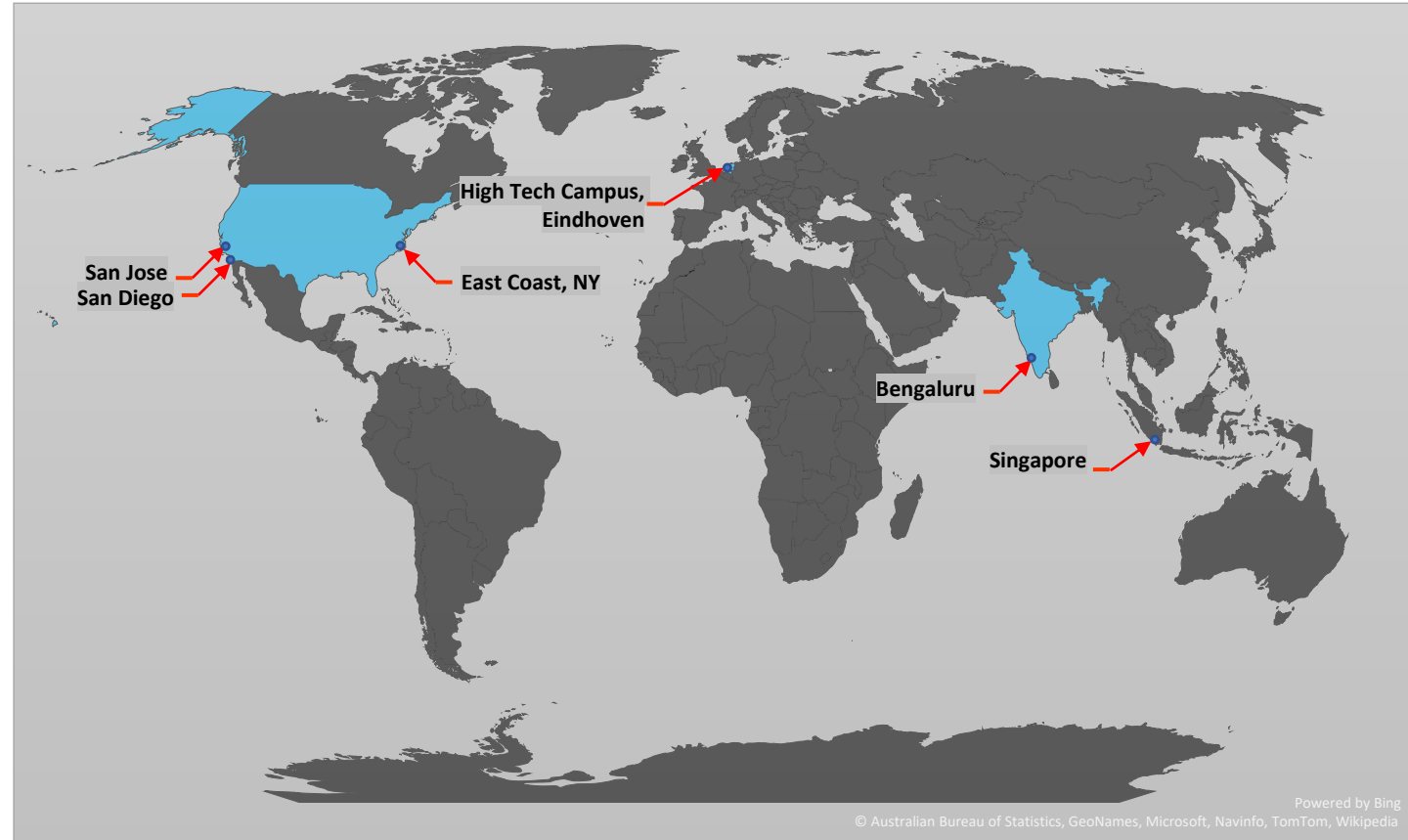
Source Engineering Services
Twice - Mμ building, 5656AE,
High Tech Campus 10,
Eindhoven +31655483847

India Office - Offshore

Source Engineering & Technology Services
#32, J.P. Nagar 3rd Phase
Bengaluru 560078
+91 9740968008

Singapore

Discussion ongoing



What We Do (1/2)

Source transforms your innovative design ideas into feasible design solutions.
Helping you achieve your business objectives is our primary goal.

Our Capabilities -

☐ Mechanical and Electrical Design Engineering

- Product conceptualization
- Product design (UGNX, Solidworks, AutoCAD, ProE)
- CAD – 3D/2D
- FEA and CFD analysis (ANSYS, Hypermesh, CFX etc)
- Tooling & Fixture

☐ Process Engineering

- Chamber test
- Vacuum integrity test
- Robots test
- Marathon Preparation
- Gas line Upgrades

☐ Electronics and Embedded Systems

- Data Structure and algorithms, Operating System, Computer Organization and architecture, Digital electronics, Microprocessor and mathematics.
- RTOS : ERCOS , RTA-OS (AUTOSAR 4.X)
- Programming language : C, Embedded C.
- Operating System : Windows, Linux, VxWorks
- Processor : 8,16 and 32 bit.
- Scripting : Perl, m-Script.
- SCM Tools: IBM Rational Clear Case, SDOM, ALM.
- Requirement Management Tools – IBM Rational Clear Quest , Request One
- IDE / Tools used –Matlab 2012b, ASCET, INCA, CodeWright, Code Composer Studio, Visual Studio, Gcc etc.
- Hardware used: Open Loop LabCar, Oscilloscope, CANalyzer, SamDia, Debugger etc.

What We Do (2/2)

Source transforms your innovative design ideas into feasible design solutions.
Helping you achieve your business objectives is our primary goal.

Our Capabilities

☐ Manufacturing Engineering

- Value Engineering
- Supplier problems resolution
- Obsolescence management
- GD & T

☐ Quality Engineering

- SSQA/ISO preparation, pre-audits
- Process mapping & review
- Supplier development
- NC management
- Failure analysis
- FAI/P2P – first article inspections

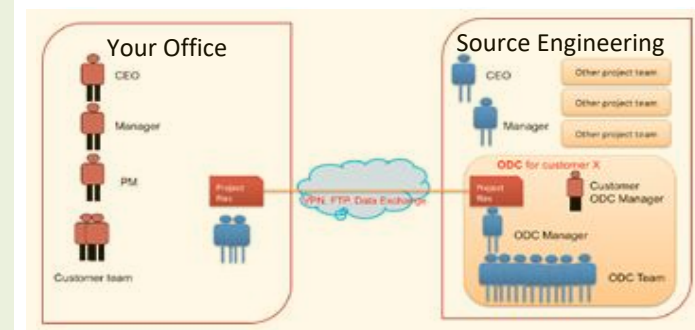
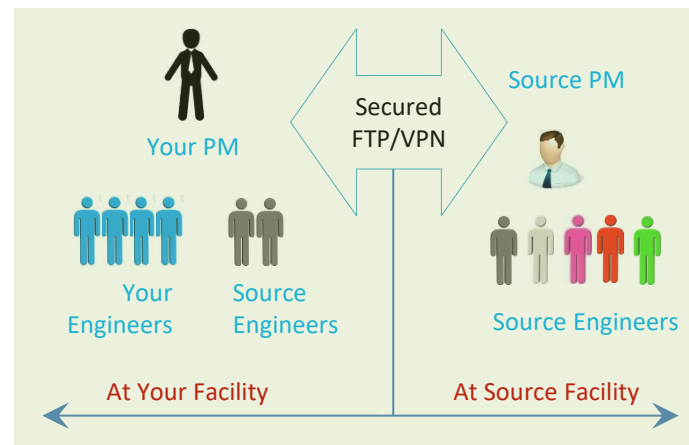
☐ Program and Project Management

- ROI analysis
- Market data analysis
- Pricing structure and models

☐ Sustaining Engineering

- ECO – Engineering Change Order
- Should Cost Analysis
- BOM & Structuring
- Documentation
- Legacy Conversion

Business model



End-to-End Productization Capability

Complex concepts are transformed into design solutions that satisfy the highest industry requirements at Source Engineering Services, thanks to our mechanical and electrical design experience. We integrate real-world simulation, modelling, and design techniques, and turn your ideas into production-ready machines.

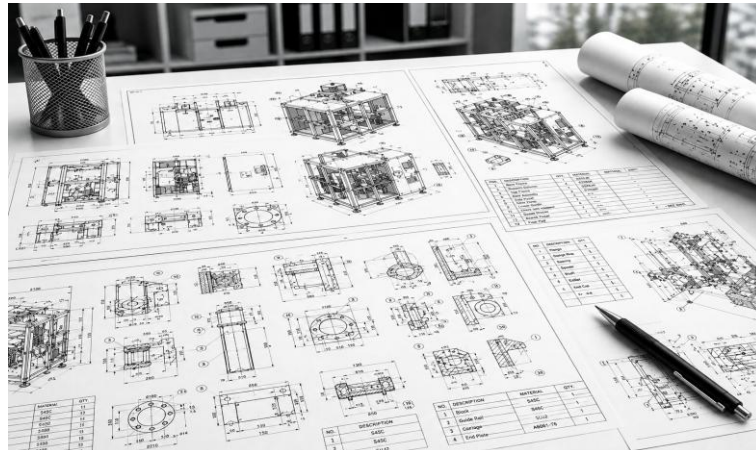


The 7 Stages of Productization

At Source Engineering Services, we believe in process, and we make sure to follow them in every endeavour we take on. These processes help us meet the customer expectations to the highest standard, and entrust them with reliability. We follow a 7-step process aimed at delivering the best results to the customer.

Stage 1 – Foundation

Documenting the deliverable part's or product's specifications. Our engineering and project managers conduct thorough discussions and adhere to the latest documentation procedures.



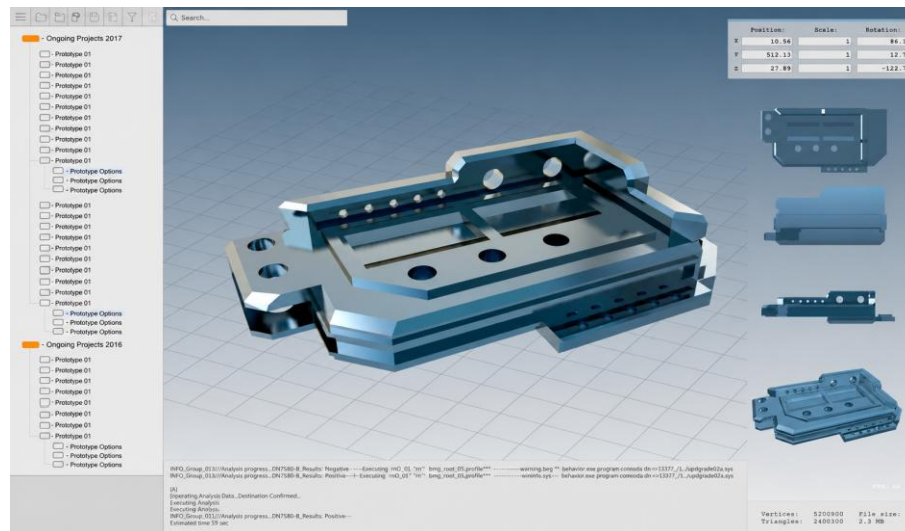
Stage 2 – Concept Design

A conceptual drawing is an initial draft that establishes the foundation for the project's successful completion. Our engineers translate your requirements into early CAD concepts and feasibility checks.

The 7 Stages of Productization

Product Lifecycle Management (PLM)

From the point you are confident about the product's design, we kick in the processes to set up the required workflows to efficiently manage your product's lifecycle with best practices and software.



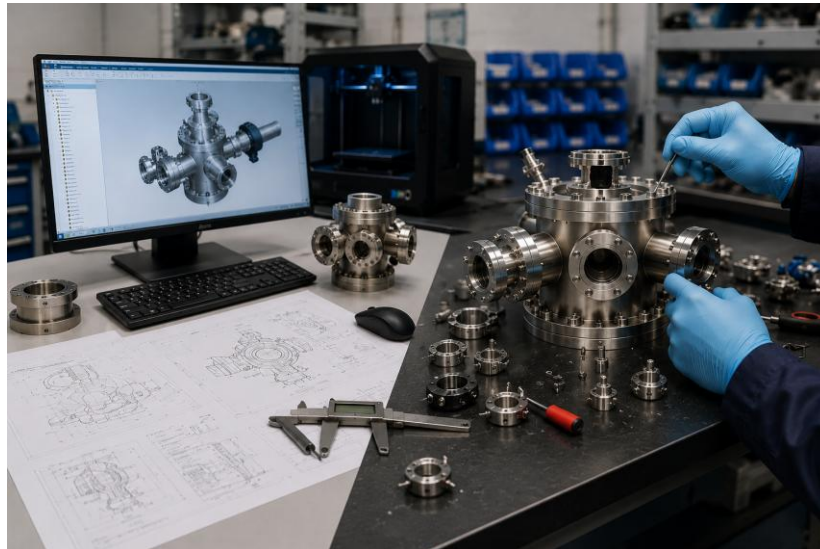
Stage 3 – Detailed Design

Create a detailed 3D model of the product or part and use [PMI/MBD](#) to speed up the process. Every component is precisely tolerance while closely following GD&T guidelines, guaranteeing fit and function across all assemblies.

The 7 Stages of Productization

Stage 4 – Simulation & Virtual Validation

Before a single prototype is built, we validate the design through FEA, CFD, and motion simulations. This virtual testing phase dramatically reduces costly physical rework and gives confidence in performance before committing to hardware.



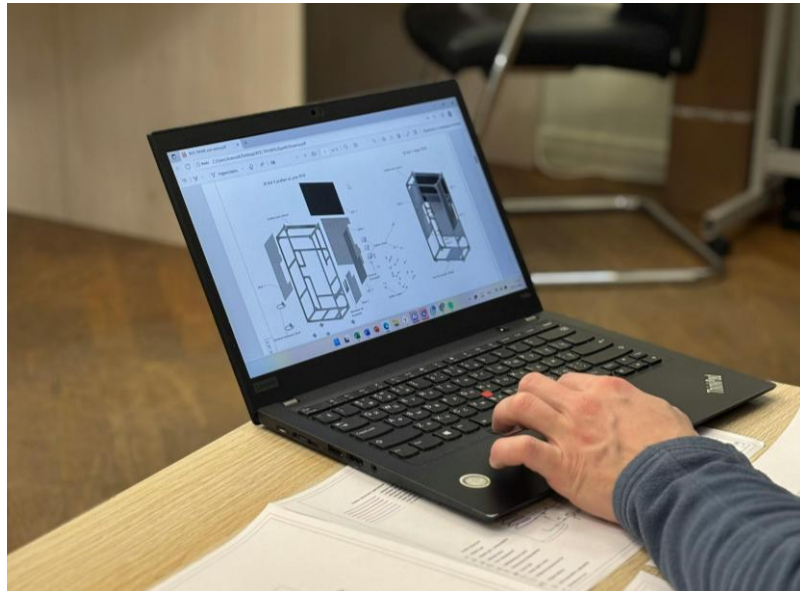
Stage 5 – Prototyping & Assembly

We procure, build, and assemble working prototypes using our vetted supplier network. Each prototype is tracked against the original specification, and build-to-print accuracy is verified before functional testing begins.

The 7 Stages of Productization

Stage 6 – Testing, Verification & Compliance

Structured testing against specification requirements - functional, environmental, and regulatory. We run IQ/OQ/PQ protocols where applicable and document all results for traceability and audit readiness.



Stage 7 – Technical Writing

Preparing detailed document listing all the technical details, and descriptions about the product. Our experienced technical writers prepare the technical documents following the global standards.

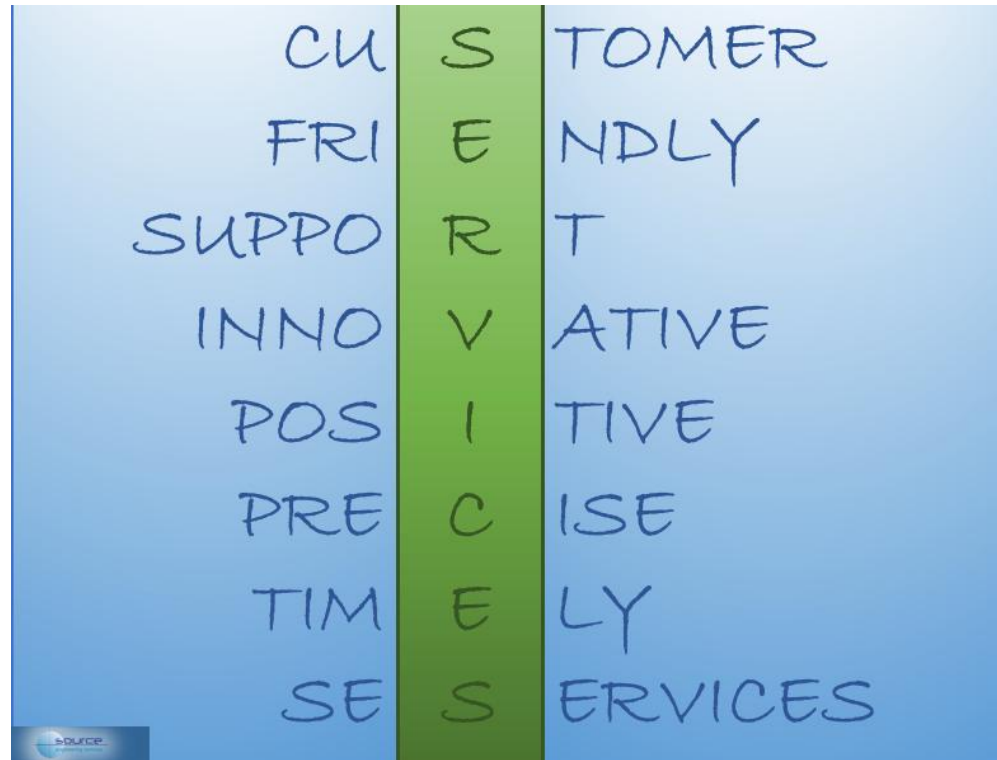
Intellectual Property

Your IP. Your Ownership. Today and Tomorrow.

Every engagement is governed by strict confidentiality and customer-defined IP frameworks from day one. All designs, data, concepts, and innovations remain in your intellectual property — throughout the engagement and beyond. We operate within your processes, your guidelines, and your approval framework, ensuring complete respect for ownership at every stage.

Your IP is safe with us.





It makes SENSE

