

DESIGN → SIMULATION → MANUFACTURING

Make the complex simple.

One partner across the entire engineering chain, so your team can move fast, and the hard part stays ours.

AEROSPACE

DEFENSE

AUTOMOTIVE

INDUSTRIAL PRODUCTS

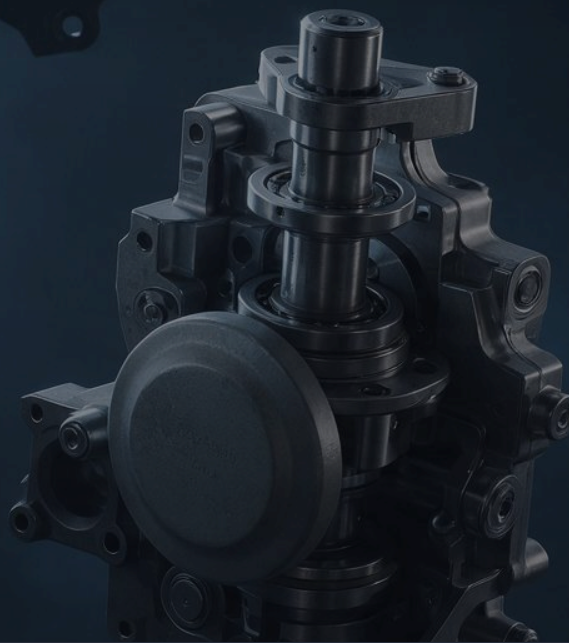
THE PROBLEM YOU ALREADY KNOW

Your engineering chain is held together by hand.



A design tool

One vendor for CAD. Their support ends where their license does.



A separate simulation tool

Another vendor, another data format, another learning curve.



A third-party manufacturer

A shop that never saw the design intent, quoting from a file.

WHERE THE RISK LANDS

Every gap between the tools becomes **your** problem to solve.

When design, simulation, and manufacturing live in three different companies, the integration is nobody's job but yours. The handoffs, the file translations, the re-quotes, the finger-pointing when a part fails: your engineers carry all of it, on top of the work they were hired to do.

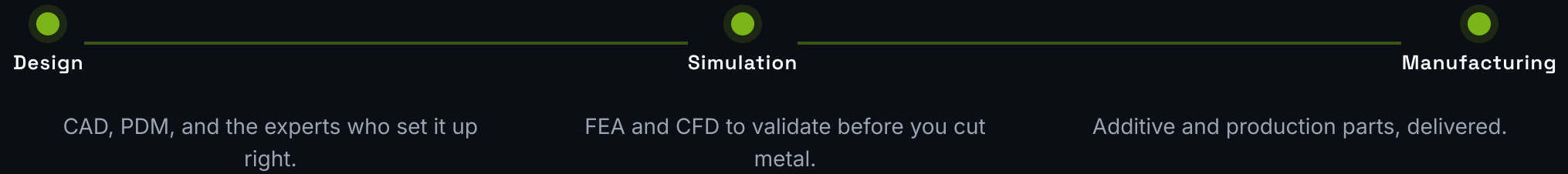
WHAT THAT COSTS, IN THEIR OWN WORDS

- Production delays
- Lost contracts
- Failure in the field
- Expensive recalls

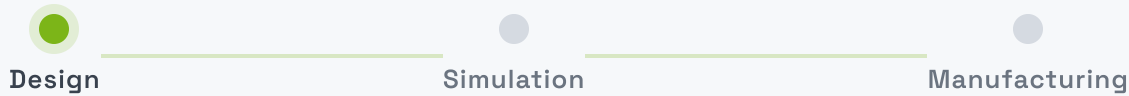
The stakes GoEngineer names for skipping validation, source: goengineer.com

THE SHIFT

One partner carries the whole chain. Under one roof.



Most vendors own one link. GoEngineer owns them all, plus the experts and training around them. The handoffs stop being your job.

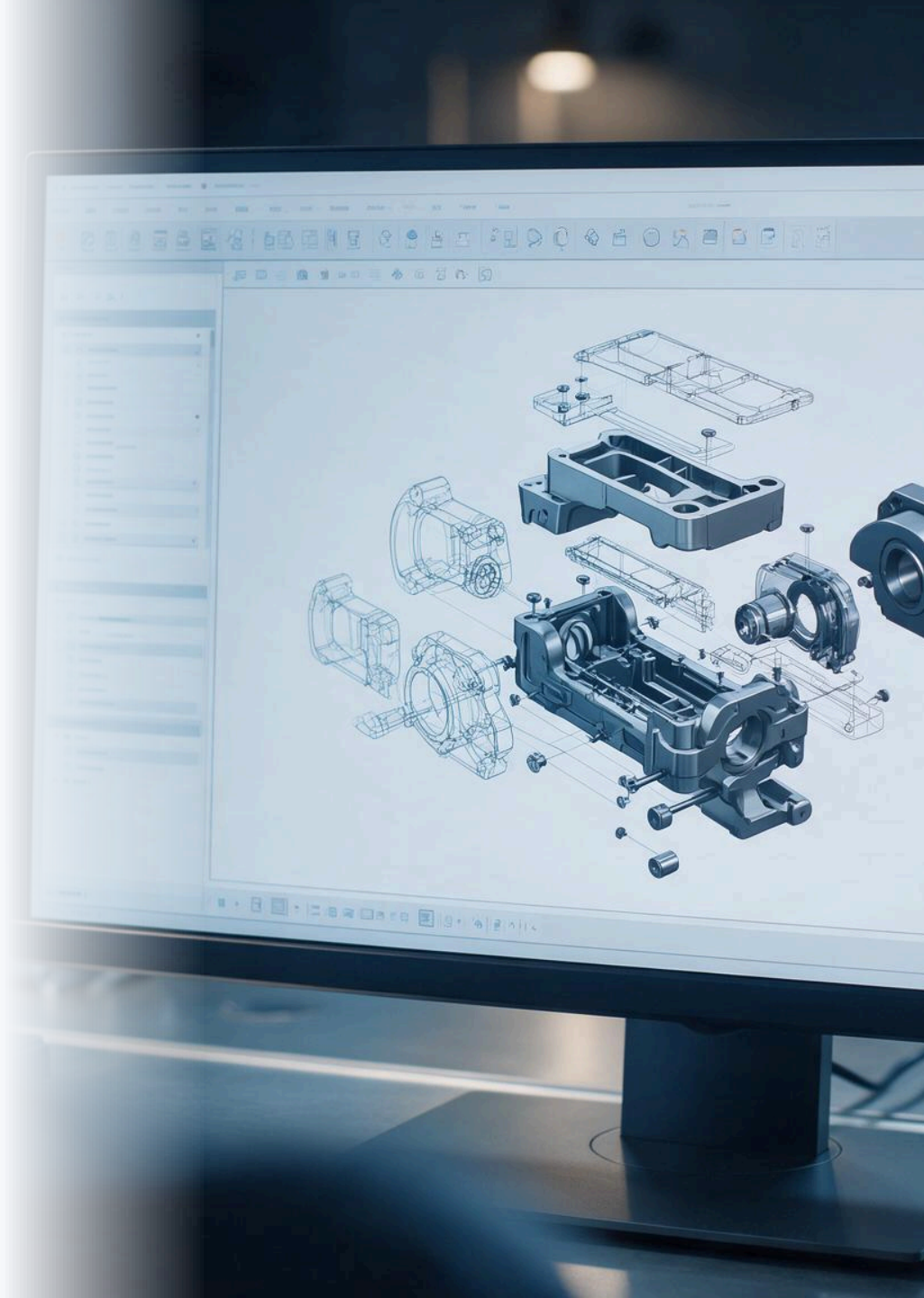


STAGE 01 • DESIGN

Start with the tools the industry already builds on.

SOLIDWORKS and CATIA, PCB and mechatronics through Cadence, design automation through DriveWorks, and 3D scanning to bring the physical world back into CAD. GoEngineer is a #1 Dassault Systèmes partner, so the platform and the people who run it come together.

- SOLIDWORKS 3D CAD
- CATIA & 3DEXPERIENCE
- Cadence PCB / mechatronics
- DriveWorks automation
- 3D scanning & reverse engineering



STAGE 02 · SIMULATION

Validate before you cut metal.

GoEngineer calls simulation what it really is: better engineering decisions through computer prediction. FEA and CFD consultants with career-long, multi-decade focus run the analysis on high-performance computing, up to full-vehicle crash and multistep nonlinear runs, so a design is proven right before a single part is made.

- Abaqus FEA
- CFD / flow analysis
- Physical test correlation
- 100+ CPU-core HPC





STAGE 03 · MANUFACTURING

From validated design to a part in hand.

More than 100 industrial 3D printers in-house, including six Stratasys F900s, across FDM, PolyJet, stereolithography, SAF, and P3. Aerospace-grade materials like ULTEM 9085 for interior aircraft cabins. Most parts ship the same business day, with burn, tensile, and load testing and first-article inspection when the spec calls for it.

● 100+ printers in-house

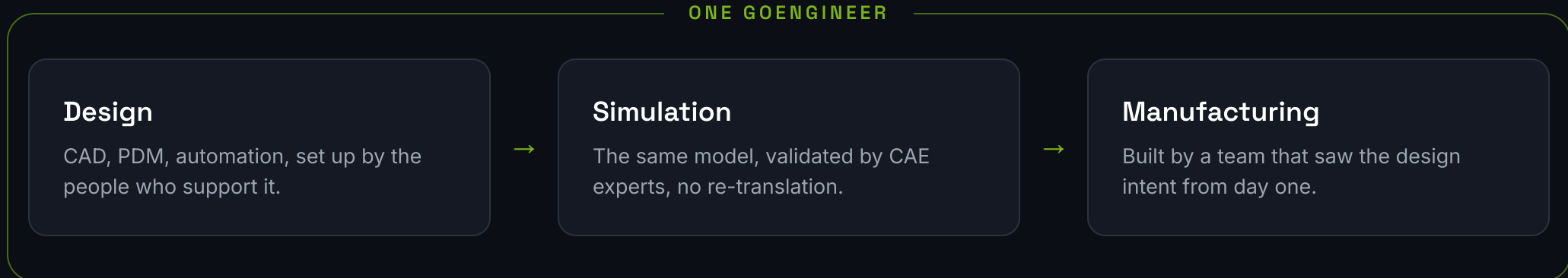
● FDM · PolyJet · SLA · SAF · P3

● ITAR · ISO 9001 · AS9100

● Same-day turnaround



Under one roof, the handoffs disappear.



No file translations between vendors. No re-quotes from a shop that never saw the design. No integration work landing on your engineers. They move fast because the chain moves with them.

BY INDUSTRY

What “complex made simple” means for your world.



Aerospace

ITAR-registered, AS9100 parts in FST-rated ULTEM 9085, flight-cabin ready.



Defense

Secure, ITAR-compliant prototyping and production for demanding programs.



Automotive

Full-vehicle crash simulation to production parts in high-performance polymers.



Industrial Products

Machine design, automation, and tooling, from concept through repeatable output.

One partner who already knows your regulations, your materials, and your tolerances, because we work across all four every day.

PEOPLE, NOT JUST TOOLS

The chain works because the experts hold it together.

35+

years partnering with engineering teams

220+

certified experts across the U.S. & Canada

125+

certified technical support specialists

12k+

knowledge-base resources, free to your team

Training that travels to you

Certified courses in SOLIDWORKS, CAM, 3D printing, and 3D scanning, delivered four ways: self-paced, online, on-site, or in the classroom. Application mentoring sessions pair your engineers with ours on the problem in front of them.

A dedicated team on every project

On simulation work, a lead engineer and an engineering manager stay with your project start to finish, with open communication throughout. ISO 9001:2015 and AS9100 certified, ITAR registered.

THE PROMISE

Bring us the hard part. Keep your team on the work only they can do.

Design, simulation, and manufacturing, from one partner who has done it for aerospace, defense, automotive, and industrial teams for more than three decades.

Start with one conversation

Talk to a GoEngineer engineer about where the handoffs are costing you.
goengineer.com · 1-800-688-3234