

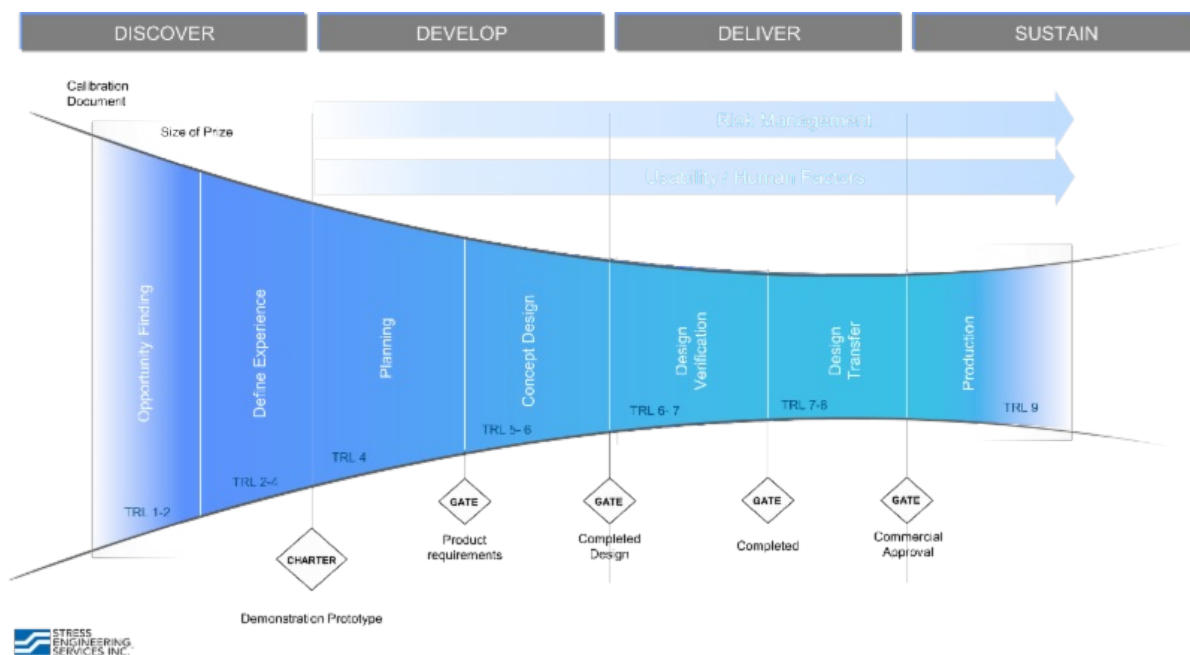
The Critical Path ALWAYS Goes Through Problem-Solving

Everyone wants their projects and programs to run predictably. We set up business, market entry, and product introduction plans based on product development plans coming true. Unfortunately, those plans most often don't come to pass as hoped. However, there is a profound common cause and we can take active steps to improve our outcomes.

The vast majority of product development projects proceed unpredictably and always in the direction of more time and more money. Depending on the level of sophistication of the organization, there may be some official buffer built into a schedule, or there is just a cynical expectation that "our programs just don't deliver on time."

Product Development Process

For decades, SES has been solving the most challenging engineering problems. This core competency is at the heart of our world class product development process, 3DS - Discover, Develop, Deliver, Sustain. We start with Discovery. Our team of Industrial Designers leverage their skills to help you as you Discover your ideal product proposition by mining consumer insights, understanding trends, and establishing reasons-to-believe. These insights are Developed into concepts that are engineered by our world class team.



As the product design matures, we use predictive modeling and prototyping to confirm and verify product performance as we prepare for commercialization. We Deliver a final design to manufacture by transitioning the critical attributes to a stable process. Once the product is launched, we continue to Sustain the product throughout its lifecycle to meet cost, performance, and regulatory goals until its obsolescence. Whether we merge our skills into your existing process or lead the development, SES can assist you in all of your product development needs.

Putting the power of Stress Engineering's technical support to work, combine your risk

projection activities with your planning activities and intentionally go in search of problems, issues, risks, potential pitfalls. In other words, apply "problem-seeking". Some informed assessments of these things can give a sense of priority in terms of probability and severity, then direct problem-solving BEFORE we have everything and everyone committed. We can solve problems early that will be much more expensive and visible later on, say, during product verification or process validation. Populate your schedules with problem-finding and problem-solving activities, and avoid the temptation to minimize problems via speculation. The cost of knowing is much less early than late, and most of these things are knowable.

Interested in reading more? Click [here](#).

Upcoming Events

[SPE Medical Plastics Minitec](#)

Biodegradable/Resorbable Polymers: Recent Themes and Challenges in the Medical Device Industry

Technical Presentation by [Rob Klein](#), Associate II with SES

February 4, 2019 | immediately precedes MD&M West

Sheraton Park Hotel at the Anaheim Resort

[MD&M West 2019](#)

February 5-7, 2019 | Anaheim Convention Center | Anaheim, CA

SES Medical - Booth #2097

Polymer Laboratory at Stress Engineering - Booth #2095



Missed our latest newsletter?

Click [here](#) to read about Process Validation and our Ocular Practice.

Stress Engineering Services Inc. provides expert engineering consulting services for:

- **New Product Development**
- **Material Science & Engineering (Full Polymer & Metallurgical Labs)**
- **Systems Engineering**
- **Risk Assessment**
- **Human Factors**
- **Sustaining Engineering**
- **Failure Analysis**
- **Package Development**
- **Verification Testing**
- **Equipment Validation & Development**

Our services help clients achieve not only technical success in avoidance or remediation of failures, but also commercial success in removing costs, risk and time from their process and product designs.

PHARMACEUTICAL | SURGICAL DEVICES | DRUG DELIVERY | MEDICAL EQUIPMENT
OCULAR | IMPLANTS | DENTAL | DIAGNOSTIC DEVICES | ENT | VETERINARY | VASCULAR

To learn more about Stress Engineering Services Inc., visit our [website](#) or contact us at 513-336-6701.

ISO 13485:2016 & ISO 9001:2015 Certified
ISO 17025:2005 Accredited for Several Test Methods
ISTA Certified Testing Laboratory Member

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