Design & Engineering

It is not just a single process, but a way of looking at problems large and small and solving those problems with a servant's heart. Central to the Trideum Design & Engineering process is our approach to User Experience (UX).

Our values of **servant leadership, stewardship** and **sacrifice** drive customer focus and team collaboration.

IMPLEMENTING OUR VALUES

Design and Engineering is a team activity. Each member of the team relies on others in Agile Ceremonies like peer reviews and SCRUMS.

Those are perfect examples of how we act as servant leaders when we provide ideas, perspective, and guidance to each other.

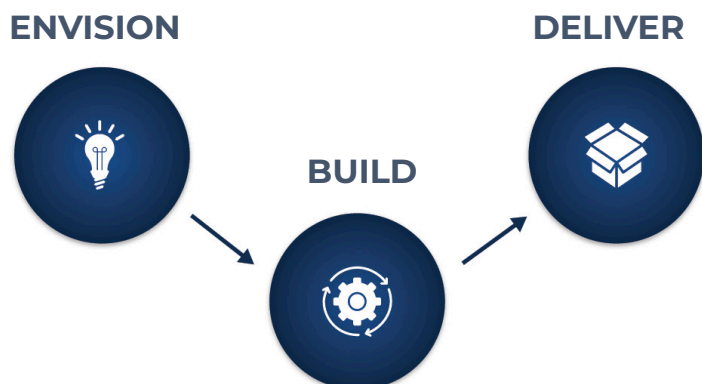## Solutions for Augmented Analytics

Trideum is developing and growing a suite of tools that enable our customers to gain deeper insight and make more effective decisions when dealing with today's complex and extensive data rich environments.

We Apply Design & Engineering Principles to both Solutions and Services

- Emphasizes both function (system) and form (user experience)

- Is based on our corporate values—our designers, engineers, instructors, and technicians pracatice those values in all aspects of their work.

  > User Experience
  > Software and Hardware Development
  > System Integration
  > Modeling & Simulation
  > Model Based Systems Engineering (MBSE)
  > Interactive Multimedia Instructin (IMI)

- Is the sum total of our creative and technical approach for the services and solutions that we deliver to our customers

A Process That Enables an Agile Approach

Trideum's Design & Engineering Process enables an agile approach to services and solutions with an emphasis on User Experience and Rapid Prototyping as key enablers.
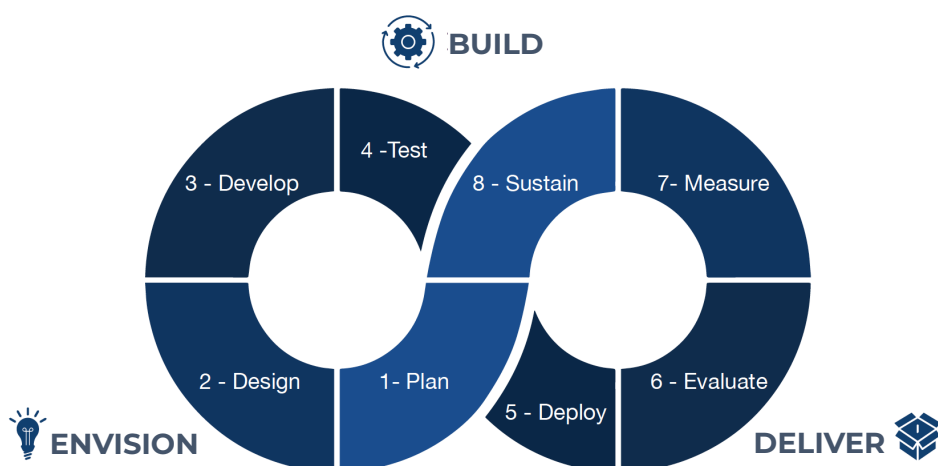
ENVISION   **DELIVER**

BUILD

Design & Engineering

At its core, Design and Engineering is a simple process—
Envision – Build – Deliver—but implementation may often be complex. The Design and Engineering process is iterative and is conducted in sprints following agile principles. The challenge of complexity and the need for agility are driving reasons to keep the top-level process simple.

Design and Engineering for continuous integration and continuous delivery (CI/CD)

The purpose of Design and Engineering is to produce a solution. The solution may be in the form of a service, a device or system, or some combination or variation of those.

The Infinity Model emphasizes the iterative nature of Design and Engineering, yet the three fundamental steps of Envision, Build, and Deliver remain prominent. This view is especially useful for agile software-intensive projects and sprints of two to several week durations.

BUILD

3 - Develop
4 - Test
8 - Sustain
7 - Measure
2 - Design
1 - Plan
5 - Deploy
6 - Evaluate
ENVISION
DELIVER

Solutions-oriented

Our Design and Engineering process encompasses our service work as well as product development. We refer to both services and products as solutions. Service design and product development each adhere to the same fundamental principles and follow similar quality managed processes and follow similar quality managed processes while tailored to customer and stakeholder needs.

KEY CONTACTS

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Embracing the World's Toughest Challenges *with a Servant's Heart*

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