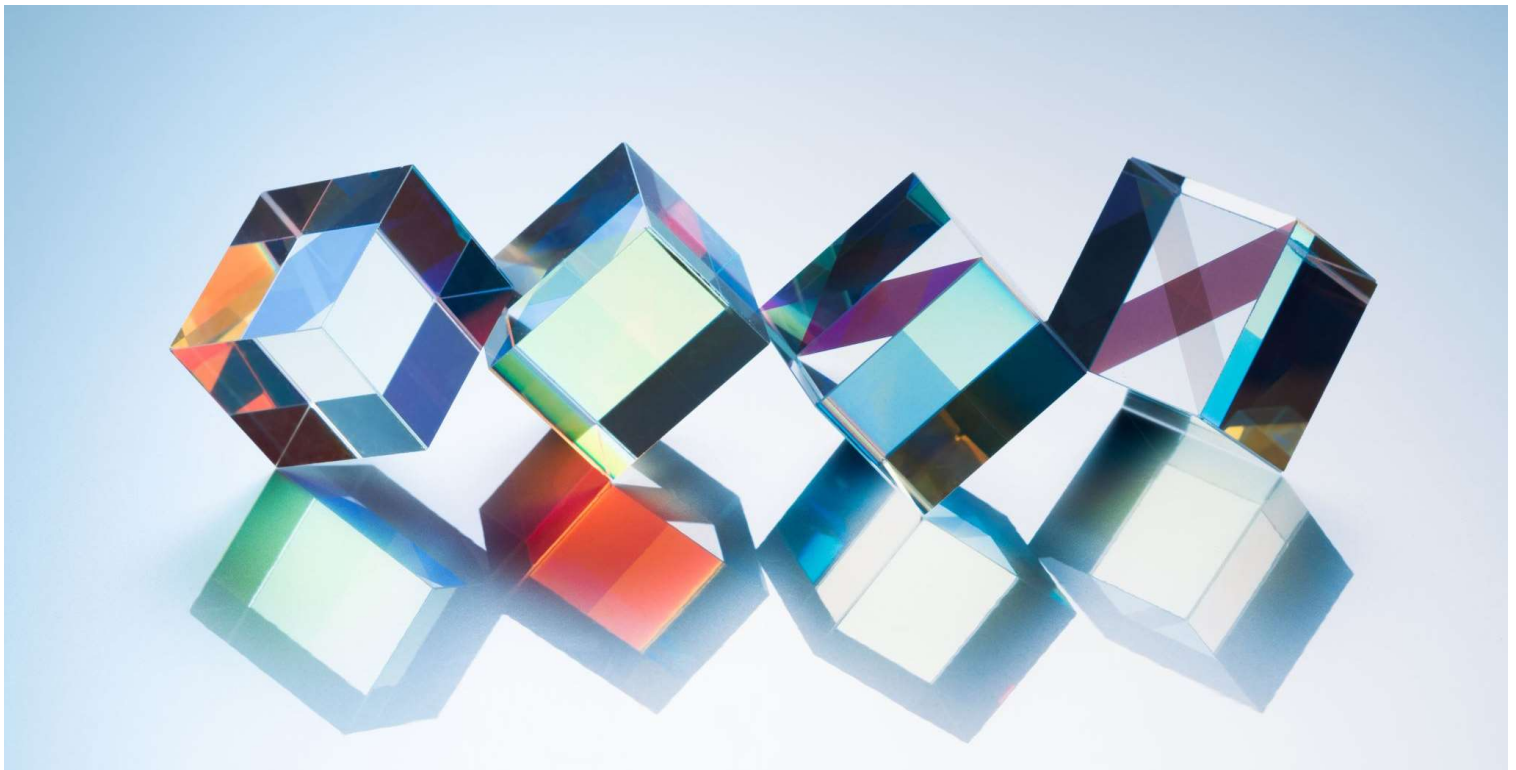




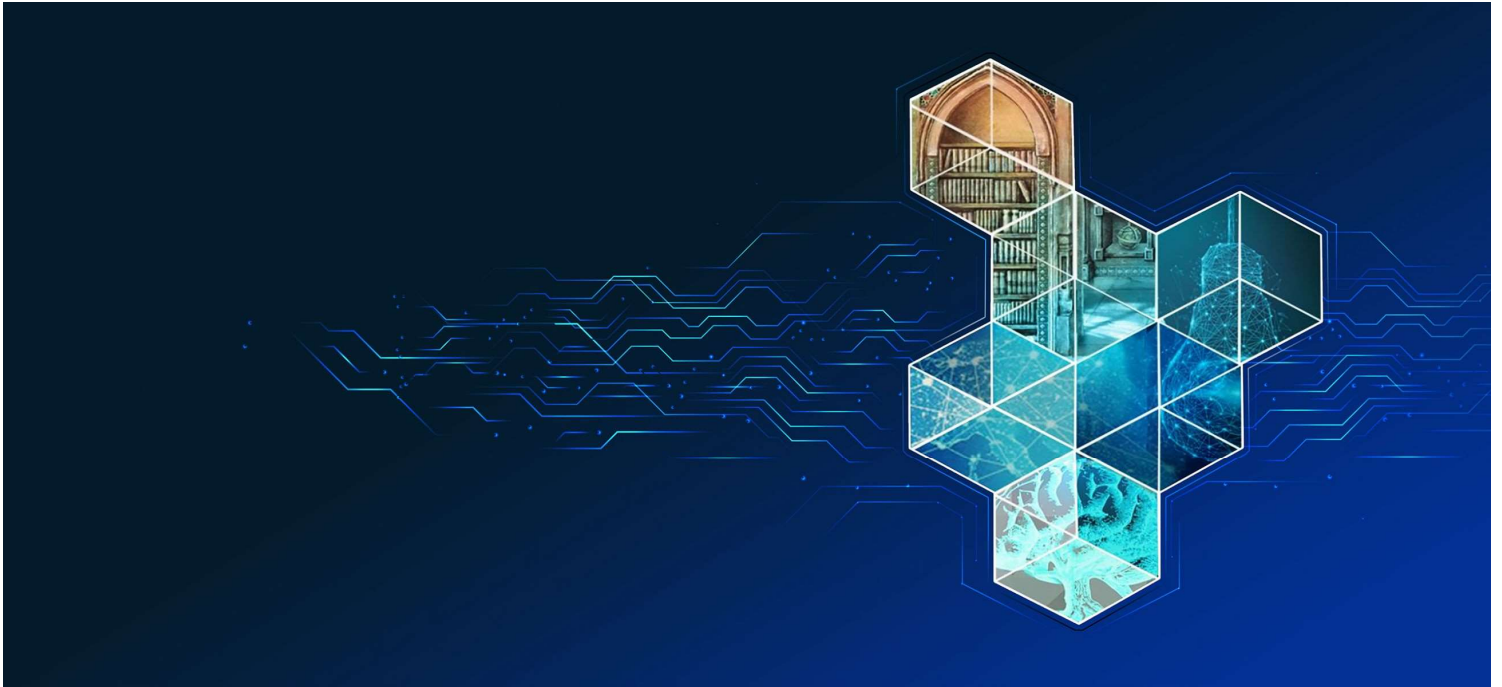
TechOptions

Advancing Digital Transformation through Research



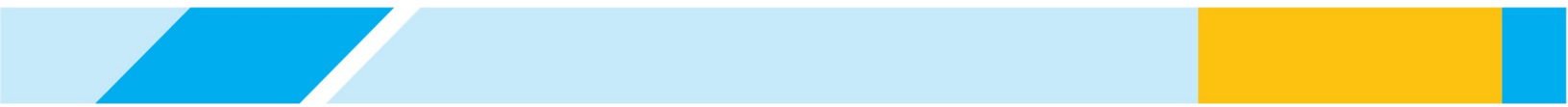
Mission

Human-centered design and quality-driven systematic software development for highest customer satisfaction.



Vision

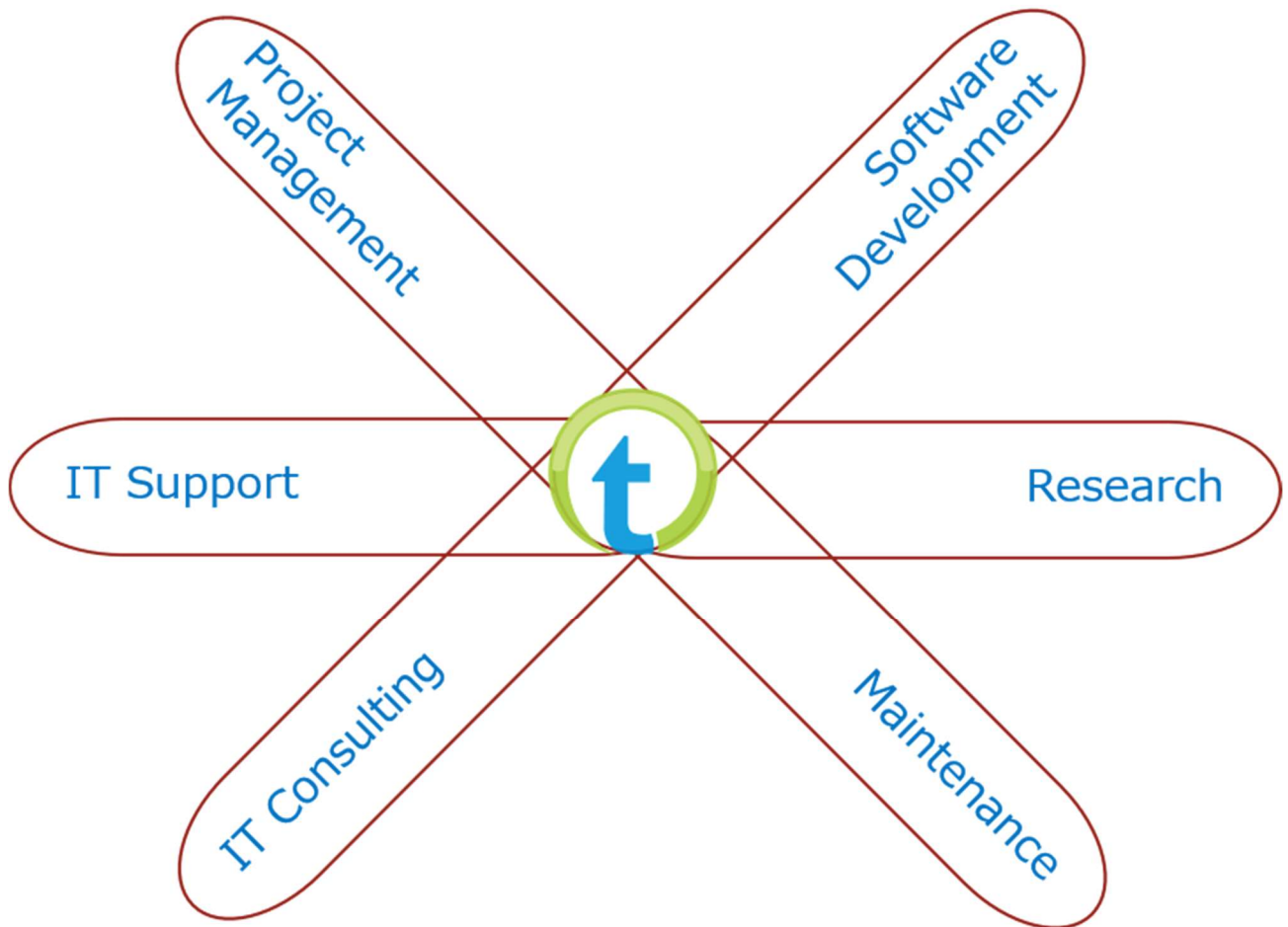
To play a vital role in the digital transformation of urban and rural life with cutting-edge IT-Support.



Services

TechOptions provides services in all areas of digital transformation of business, organization, government and public sector.

- IT Consulting
- IT Support
- Project Management
- Systematic Software Development
- Research
- Maintenance



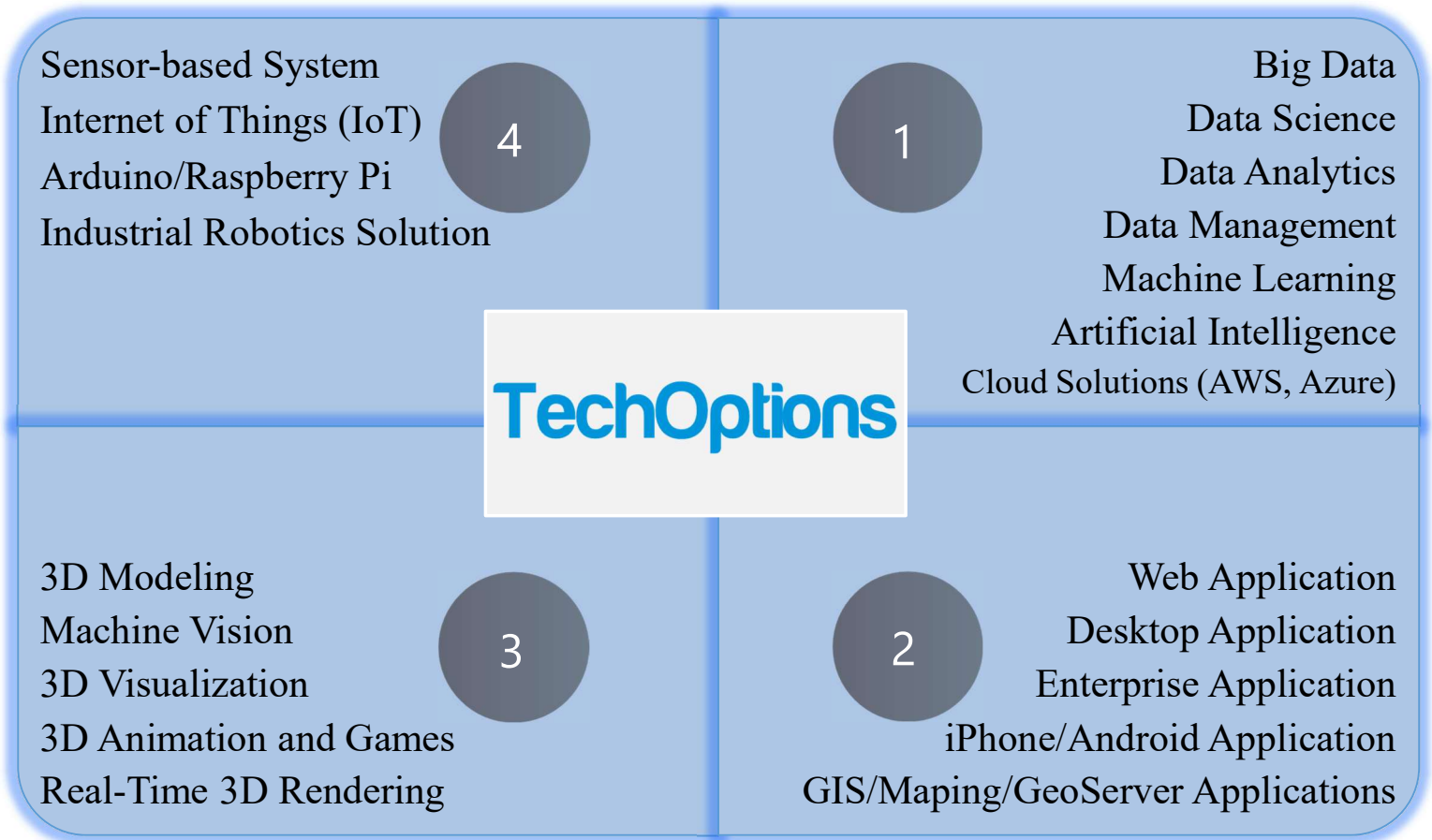
IT Consulting

TechOptions provides consulting services round the IT and software systems. Together with its partners and highly experienced in-house staff, it can realize large scale IT-projects. It helps clients assess different technology strategies and, in doing so, align their technology strategies with their business or process strategies. These services support customers' IT initiatives by providing strategic, architectural, operational and implementation planning. Strategic planning includes advisory services that help clients assess their IT needs and formulate system implementation plans. Architecture planning includes advisory services that combine strategic plans and knowledge of emerging technologies to create the logical design of the system and the supporting infrastructure to meet customer requirements. Operational assessment/benchmarking include services that assess the operating efficiency and capacity of a client's IT environment. Implementation planning includes services aimed at advising customers on the rollout and testing of new solution deployments.



Core Competencies

TechOptions houses experts in diverse areas of IT. Researchers and engineers of the company have experience in a wide spectrum of tools and technologies including four broad areas – Data Management and Data Science, 3D Animation and Visualization, Custom and GIS Applications, IoT and Sensor Based applications.



Data Management & Data Science

Our researcher and developers have many years of experience in overall control of the data acquisition, storage, quality, governance, and integrity — thus overseeing the development and implementation of all data-related policies within an organization. TechOptions is a R&D partner of Global Institute for Food Security, University of Saskatchewan, Canada for finding novel ways to data management and collaboration among different organizations and research groups as well as development of a policy-driven role-based data management framework. The team also conceives, develops, implements, and practices the science, technology, craft, and business practices involving the data assets. The experts deal with the data analysis, machine learning, artificial intelligence, data science as well as big data and cloud applications development. We have been working with Plant Phenotyping and Imaging Research Center (P2IRC) of University of Saskatchewan, Canada to develop a human-centric flexible scientific workflow management system to ease the scientific experimentation.

Application Development

TechOptions develops application in diverse platforms. Website design to complex web applications, desktop tool to multimillion dollar scientific software. For Android and iPhone App development to large scale enterprise solutions, TechOptions has highly skilled engineers and executives to realize a complex project. The company has demonstrated its capabilities in development of long running large and highly complex scientific applications for the clients.

3D Rendering and Visualization

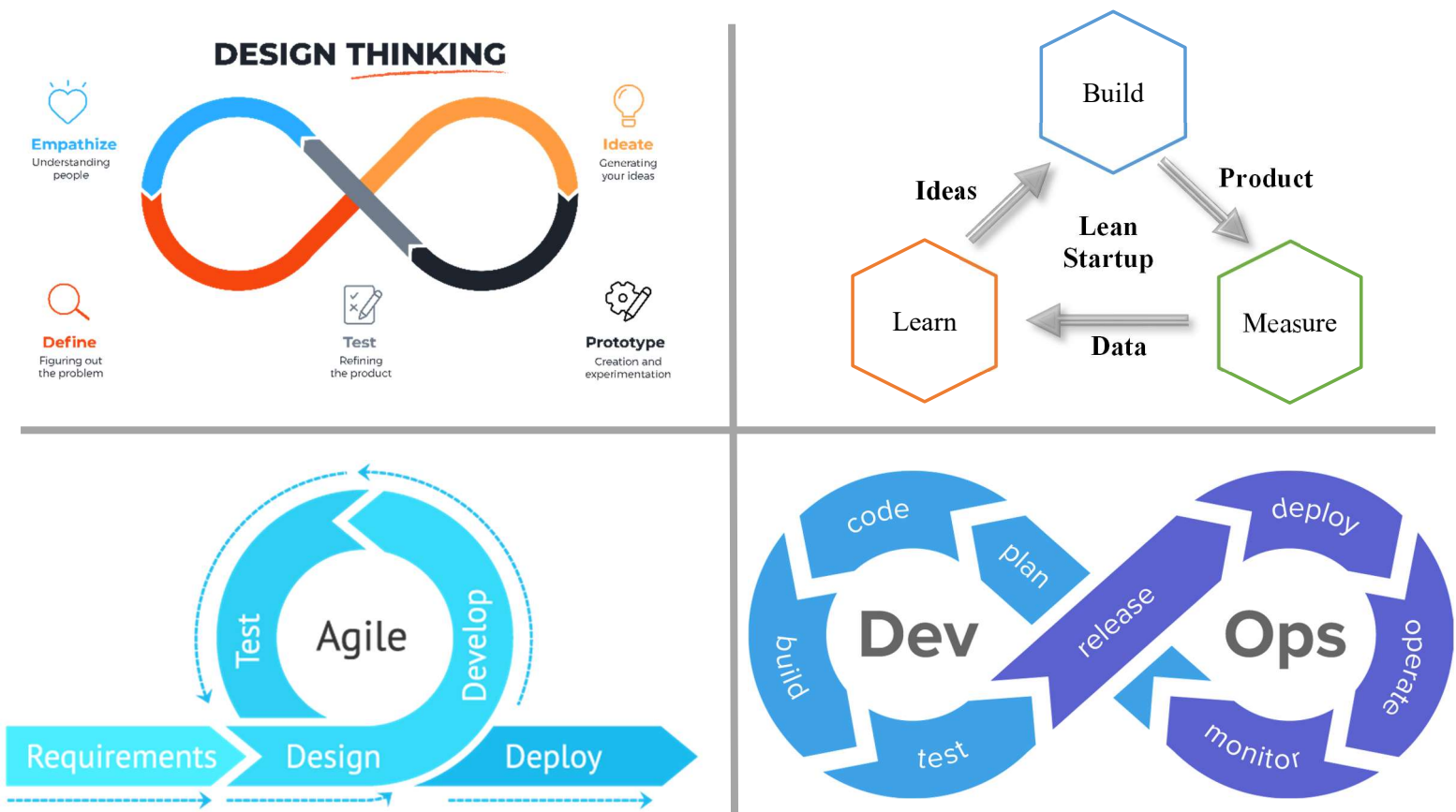
We create complex 3D Geometric Model representation of scientific measurements and program real-time 3D rendering for scientific data. Our in-house developed 3D rendering and simulation engineer can visualize complex artistic scene and real-time motion of objects. The technology is the core of 3D games, architectural visualization, augmented or virtual reality and so on. TechOptions core team has been working with the 3D rendering and visualization technology over a decade and gathered immense expertise in this domain.

Robotics and IoT

We developed RoboVib in collaboration with our client's engineering team in which Industry-grade KUKA robots are used for automated measuring of everything from complex components to complete vehicle bodies. Our IoT team is experienced with Arduino and Raspberry PI as well as with various type of sensors to build IoT systems. The data management and analytics team with their machine learning and AI expertise process the acquired data of IoT devices to answer queries.

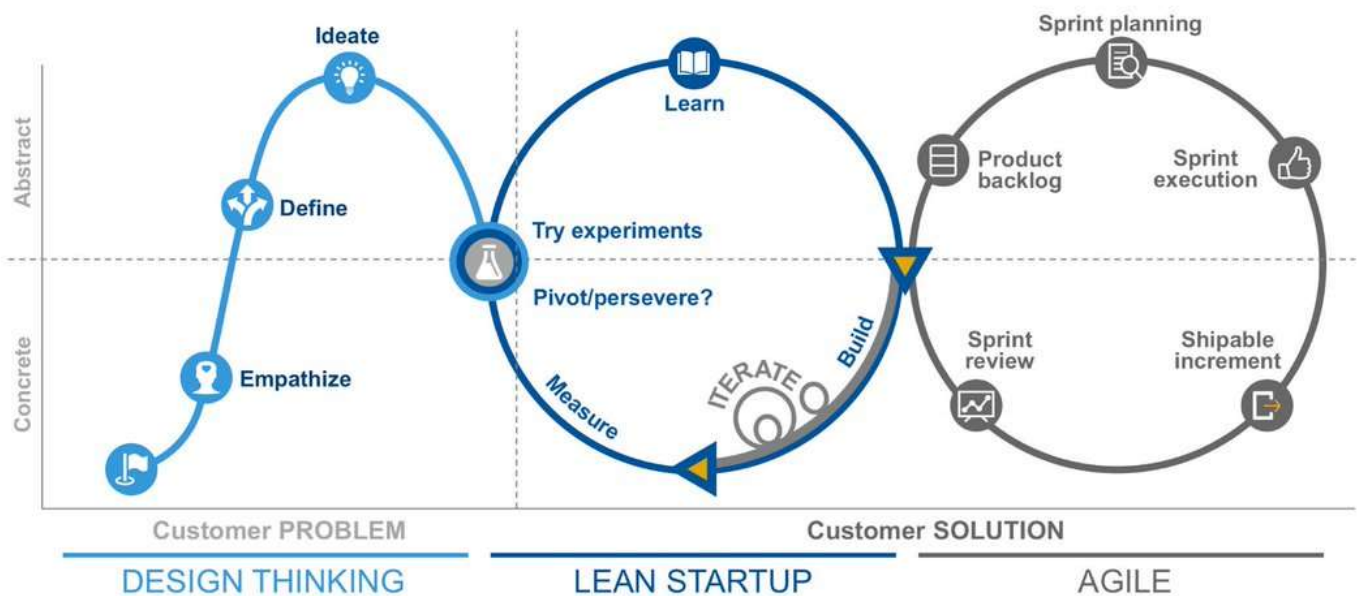
Methodology

We employ various methodologies for the systematic software engineering and IT system development. Due to our strong inclination to Human-centered design, we work closely with the stakeholders, especially with the end-users. Depending on the clients' requirements and nature of the project, we use one of design thinking, lean startup, agile methodology, Dev Ops or a combination of them to build our products and services.



Methodology

Combine Design Thinking, Lean Startup and Agile



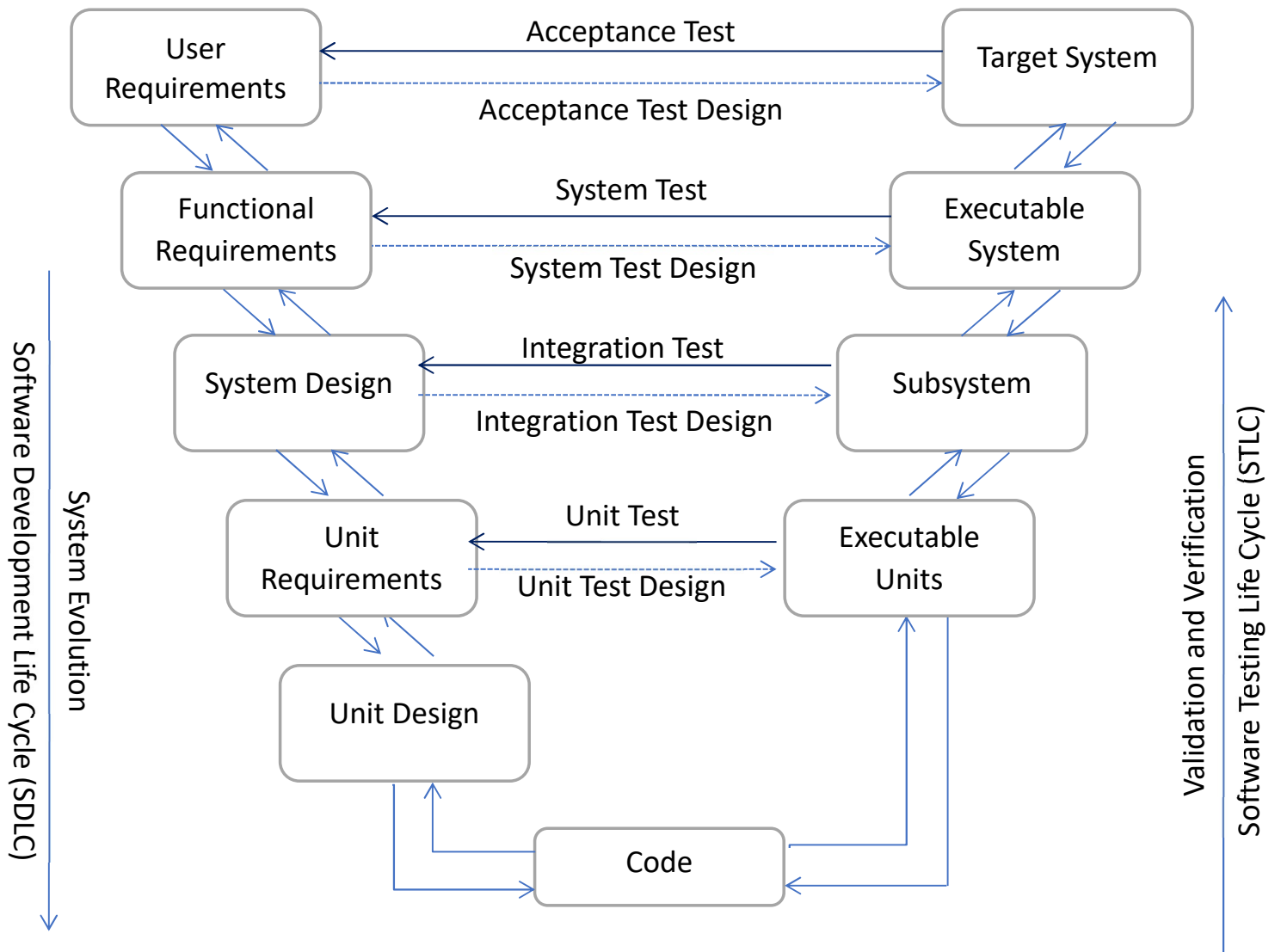
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Methodology

V-MODEL ITERATIVE



Customers



Partners

