SDLC
The Systems Development Life Cycle (SDLC) gives structure to the challenges of transitioning from the beginning to the end of a project without forgetting a step. Lockhart Consulting Group has extensive knowledge in many SDLC methodologies to assist organizations in project management and to add value. The six most common SDLC methodologies are:

Waterfall Model
Waterfall is the oldest and most straightforward of the structured SDLC methodologies — finish one phase, then move on to the next. No going back. Each stage relies on information from the previous stage and has its own project plan. Waterfall is easy to understand and simple to manage.

V-Shaped Model
Also known as the Verification and Validation model, the V-shaped model grew out of Waterfall and is characterized by a corresponding testing phase for each development stage. Like Waterfall, each stage begins only after the previous one has ended.

Iterative Model
The Iterative model is all about repetition. Instead of starting with fully known requirements, you implement a set of software requirements, then test, evaluate and pinpoint further requirements. A new version of the software is produced with each phase, or iteration.
One advantage over other SDLC methodologies: This model gives you a working version early in the process and makes it less expensive to implement changes.

Spiral Model
One of the most flexible SDLC methodologies, the Spiral model takes a cue from the Iterative model and its repetition; the project passes through four phases over and over in a “spiral” until completed, allowing for multiple rounds of refinement. This model allows for the building of a highly customized product, and user feedback can be incorporated from early in the project.

Big Bang Model
The Big Bang model follows no specific process, and very little time is spent on planning. Most resources are thrown toward development, and even the client may not have a solid grasp of the requirements. This is one of the SDLC methodologies typically used for small projects with only one or two software engineers.

Agile Model
By breaking the product into cycles, the Agile model quickly delivers a working product and is considered a very realistic development approach. The model produces ongoing releases, each with small, incremental changes from the previous release. At each iteration, the product is tested. This model emphasizes interaction, as the customers, developers and testers work together throughout the project.

PMI
The Project Management Institute (PMI) is a nonprofit membership association and certification body, best known for its Project Management Professional (PMP) credential and the Project Management Body of Knowledge (PMBOK), a collection of best practices and standards for project management. PMI is the world's largest project management association and has certified more than 740,000 PMPs globally. PMI, along with its affiliate organizations, provides education, research, advocacy, networking opportunities, project management tools and other resources to more than 3 million project management professionals. Prospective members will find a few changes in PMI's affiliate organizations from past years.
Agile

Agile is an adaptable approach to project management, focusing on delivering value both early and consistently throughout a project. Agile allows Lockhart Consulting Group to:

- ❖ Deliver value early and consistently
- ❖ React and adapt to change with ease
- ❖ Strengthen stakeholder / customer relationships
- ❖ Achieve control over time, Cost, and scope management
- ❖ Gain more clarity and better communication

SCRUM Master Certified

As SCRUM Master certified professionals, Lockhart Consulting Group will be able to provide an agile framework for developing, delivering, and sustaining complex products, with an initial emphasis on software development. SCRUM is a lightweight, iterative, and incremental framework for managing complex work. The framework challenges assumptions of the traditional, sequential approach to product development, and enables teams to self-organize by encouraging physical co-location or close online collaboration of all team members, as well as daily face-to-face communication among all team members and disciplines involved.

Black Belt Certified

Certified Black Belts offer companies invaluable knowledge in process improvement and variation control. These skills provide a greater understanding of predictability within business processes. Certified Black Belts are highly valued individuals that add value to companies within any industry.
Lockhart Consulting Group, through its Black Belt certification, helps businesses improve their internal structure and enhances the way the company performs its day-to-day activities, the results will come in the form of tremendous money savings and motivated employees.

LEAN Management
Lean management is an approach to managing an organization that supports the concept of continuous improvement, a long-term approach to work that systematically seeks to achieve small, incremental changes in processes in order to improve efficiency and quality.
Lockhart Consulting Group utilizes Lean management tools to produce value for the customer through the optimization of resources and create a steady workflow based on real customer demands. Lockhart Consulting seeks to eliminate any waste of time, effort, or money by identifying each step in a business process and then revising or cutting out steps that do not create value.
Lockhart Consulting uses Lean management to focus on:

- ❖ Defining value from the standpoint of the end customer.
- ❖ Eliminating all waste in the business processes.
- ❖ Continuously improving all work processes, purposes, and people.

Activate for SAP Implementation Methodology
The SAP Activate Methodology represents an agile, modular framework for migration or implementation SAP solutions. It supports project management teams through every stage of a project, beginning with initial planning, requirements implementation, and concluding with the continuous improvement of the SAP solution.