

SDLC amplifAler

Enhance productivity and accuracy
by automating documentation, code
generation, and testing processes



ABOUT

Tech Mahindra's SDLC amplifAler is a cutting edge solution that enhances the traditional Software Development Life Cycle (SDLC) by integrating the power of Artificial Intelligence (AI). This innovative approach utilizes AI algorithms to automate key tasks, improve decision-making, and accelerate the software development process, delivering higher quality software with greater speed and efficiency.

CONTEXT

The need for the SDLC amplifAler solution arises from the challenges associated with the traditional SDLC, which involves a lot of painstaking documentation and effort from associates in different roles. By leveraging AI, the SDLC amplifAler acts as a copilot, streamlining these processes and providing significant benefits to projects across Tech Mahindra, its customers, and associates. The solution has been recognized for its potential to boost efficiency and accuracy, making it a valuable asset in the modern software development landscape



Globally, the software development market is expected to reach **USD 6.3 trillion** by **2025**.



In 2022, the global market for software development services was **USD 350.3 billion**.



A well-defined SDLC can lead to a **30-40% reduction** in development costs.



Approximately **40%** of software development projects fail to meet their initial goals.

CHALLENGES



Lack of Expertise: Many teams face difficulties due to a lack of specialized knowledge in certain areas of software development. This can lead to slower delivery and poor quality output



Slower Delivery: Traditional SDLC processes can be time-consuming, often resulting in delays. The SDLC amplifAler aims to speed up these processes by automating various tasks



Poor Quality Output: Issues such as software bugs and errors can significantly impact the quality of the final product. The solution helps in improving accuracy and reducing the time spent on fixing bugs



Cost and Timeline Impact: Inefficiencies in the SDLC can lead to increased costs and extended timelines. By streamlining processes, the SDLC amplifAler helps in managing costs and adhering to project timelines



Impact on Program: Poor software quality can have a broader impact on the overall program, including operational failures and unsuccessful projects. The solution aims to mitigate these risks by enhancing the quality of software development