



Solutions for IT and Quality Assurance

Our expertise - quality affecting and safety significant systems and software, built for the DOE Complex and its Contractors via task-based solutions and staff augmentation.

If you're looking for top-notch Information Technology (IT) solutions, look no further than InfoTech NorthStar! Our in-house team of experts and extensive development tools provide turn-key, web-based architecture solutions for your private LAN or from the Cloud. And all of our software work is controlled by our ASME NQA-1 Subpart 2.7 Software Lifecycle Procedures for quality affecting software and also apply DOE Order 414.1D for safety level software. With our patented testing solutions, you will save precious project schedule and improve the quality of the delivered solution. At InfoTech NorthStar, we take pride in our accomplishments, such as designing, implementing, and maintaining eTools, web-based software applications used on a daily basis for mission-critical administrative tracking of TSRs and LCOs, electronic facility log books, and data acquisition systems at the Hanford Tank Farms in the DOE Complex.

In addition, we offer our clients our copyrighted Theseus line of Quality Assurance services and training, which are certified by ASME and designed to help guide you through NQA-1, both on-line and classroom style. Whether you're looking for assistance with a turn-key task for a web-based application or seeking expert advice, you have a one-stop shop for all your IT needs, no matter how large or small, no matter what.



INFORMATION TECHNOLOGY (IT)

- InfoTech NorthStar utilizes a rigorous set of software lifecycle procedures and practices, including our copyrighted Agile Hybrid development sprints within a Vortex™ lifecycle, for development of functional solutions to your Company's QAP requirements
- Full .NET web-based (mobile), full-stack, software development phases for greenfield (new) applications utilizing Angular, ASP.NET, MicroServices, .NET Core, C# and JavaScript, including validation and testing, and start-up/training of users
- Rigorous configuration management and build process to support maintenance of existing applications
- Experienced in database design and implementation including SQL, SSAS, SSIS, SSRS
- Experienced in Entity Framework (EF), Amazon Web Services (AWS), Microsoft Azure (Cloud-based, FedRAMP-certified)
- Experience with Power BI and other dashboards to track business, engineering, and operational performance to meet Business Intelligence (BI) objectives
- Systems integration for sharing key data to the right people at the right time to accelerate mission performance

RAPID PROTOTYPING VORTEX FOR GREENFIELD DEVELOPMENT

VORTEX STAGE 1

Very little formal control at this pre-Alpha level as you develop and implement requirements and design

VORTEX STAGE 2

More control with informal issue lists as you firm up your developed product.

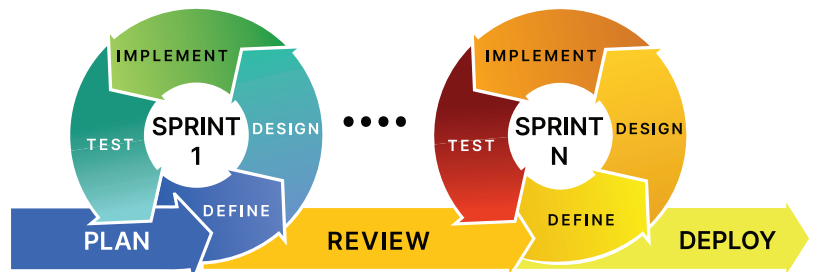
BETA EXIT POINT

Then CM Control with SCRs/ECNs/MT* during testing

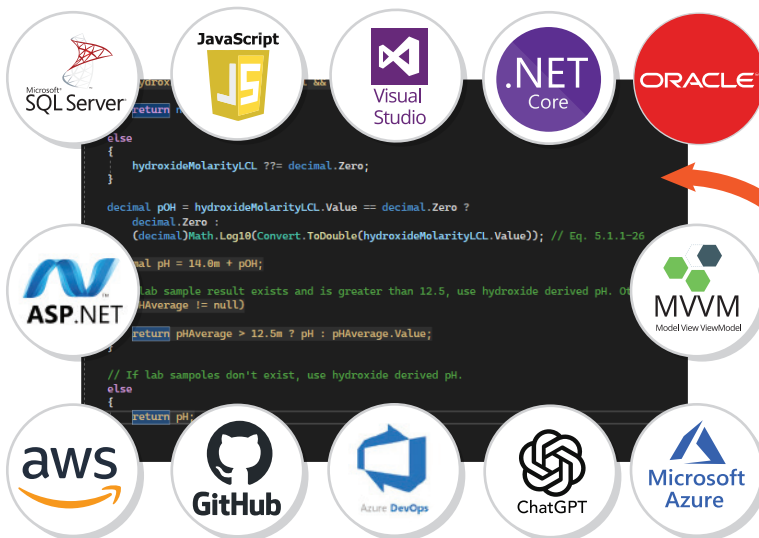
* as required



AGILE HYBRID DEVELOPMENT IN VORTEX LIFECYCLE



TOOLS



Apply our Software Procedures and Processes

- NQA-1 Subpart 2.7
- DOE O 414.1D

OUTCOME



Software Lifecycle:

- ✓ Define the Requirements
- ✓ Design the Application
- ✓ Implement Using the Tools
- ✓ Test against Requirements

Generate amazing web-based applications that work