SIMIT : SIMULATION SOFTWARE FOR VIRTUAL COMMISSIONING OF A PLANT

SIMIT – Siemens Solution for Automation Process Simulator

Simulation is one of the key essential tools in Process Automation, which helps to address all customer needs during project execution phase. This is mainly required to:

- Reduces risk and time during commissioning phase
- Improves Program code quality by pre-testing and analysis
- Assures shorter Time-to-market; as it shortens project duration and delivery time

Why SIMIT Simulation

*With training simulators one can repeat the steps as many times to keep updated with mandatory knowledge of safe plant operation.

*Training on simulator is much safer and less costly than on actual plant

*Extreme situations can only be trained on a simulator as training on an actual plant might result in loss of people and equipment.
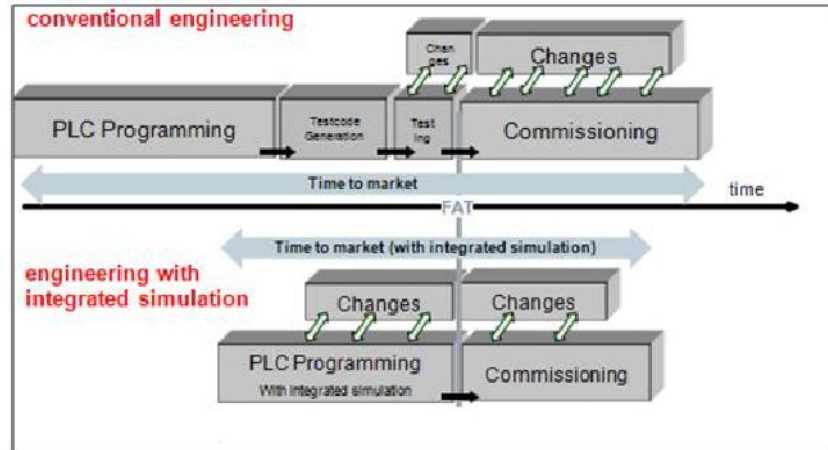
* Supports import of schematic from COMOS and PCS7

* Provided with Chem basic library for chemical and pharmaceutical plant simulation

* Integration of various 3D designing software like NX with flexible interfacing option like SHM coupling

* To Improve automation engineering & easy configuration of PLC Sim Advanced

* An ideal tool to study the Switch gear components

* Tight Integration of COMOS, SIMIT, PCS7 & NX (CAD,CAM,CAE)

SIMIT provides real time dynamic simulation for S7/PCS 7 projects, with or without hardware availability. Typical simulation purposes :

- I/Os and connection checkLogic and Control loop check
- Alarm and messaging test
- Sequence test
- Interlock check
- HMI controls and visualization test
- Acts as Virtual Controller
- Operator training system
- For simple to complex processes
- Virtual commissioning and operator training of challenging automation projects and plant operation.
- Faster commissioning of complex projects
- Tight integration of SIMIT is connected to proper actuators and sensors.