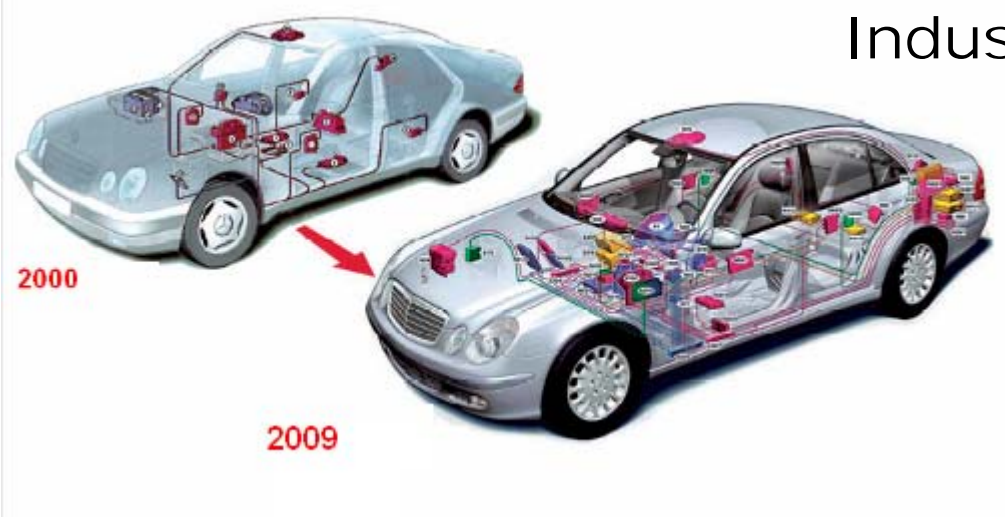


# Automotive Electronics and Industrial Automation Solutions

*Innovative Technology Solutions*

**Quality Model**



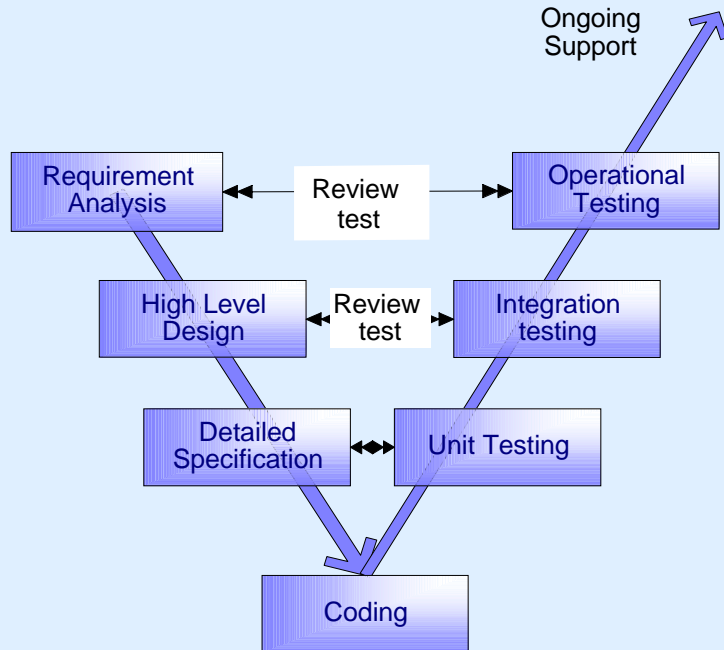
**Dearborn Electronics India Pvt. Ltd.**

Bangalore, India

Website: [www.deindia.comem](http://www.deindia.comem)

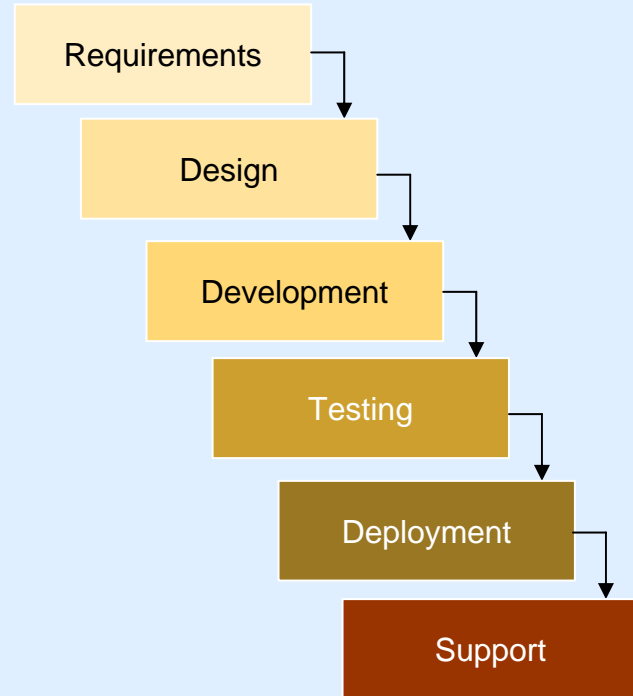
Email: [sales@deindia.com](mailto:sales@deindia.com)

## V Model



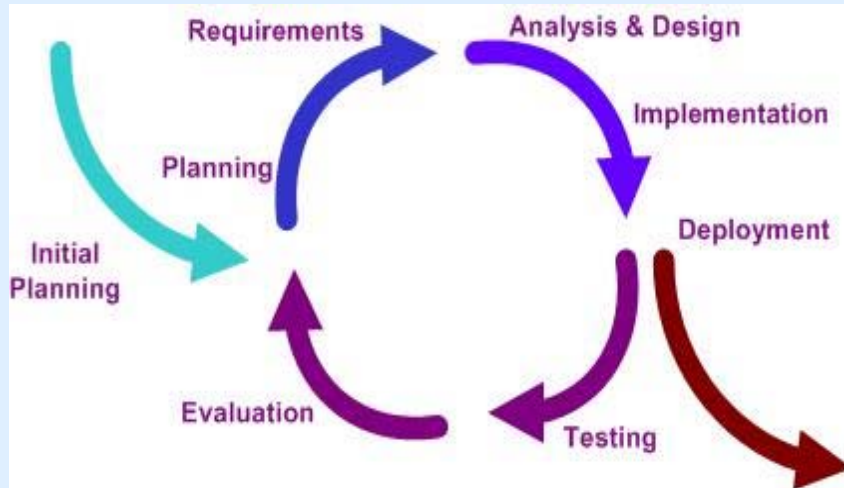
- All requirements are known up-front
- Solution and Technology are also known
- System demands high reliability where V & V is essential at all phases

## Waterfall



- Requirements are very well known
- Product Definition is Stable
- Technology is understood

## Incremental & Iterative Model



- Most of the requirements are known up-front but are expected to evolve over time
- A need to get basic functionality to the market early
- On projects which have lengthy development schedules
- On a project with new technology
- High Risk Projects

## Agile Methodology

- Individuals and Interactions **over** processes and tools
- Working Software **over** comprehensive documentation
- Customer Collaboration **over** contract negotiation
- Responding to Change **over** following a plan

### Agile Principles

- Customer satisfaction is the highest priority
  - Welcome changing requirements
  - Deliver working software frequently
  - Lightweight approach – shifts the focus from the process to interaction
  - Less document oriented
  - Value focused, than cost
- 
- Requirements are too volatile
  - Product needs to be Developed Quickly
  - High Risk Projects
  - Product Features are outcome of research and innovation
  - New Technology