

# How to Improve Productivity & Quality



# Main Issues Classification & Resolution

**Architectures** (Business, Information System, Technology) **not** aligned. **Difficulties** in **collaboration/knowledge transfer** between professional roles, teams and departments.

**Heterogeneous tools** used **not** suitable for **supporting** digital **transformation** & IT **design standard**.



## Enterprise Architecture

- Modeling
  - **BPMN, ArchiMate**
- Framework
  - **Zachman**
  - **TOGAF (ADM)**(Process Map, Guide-Through)



## System Design

- Modeling
  - **UML/RestML (API), SoaML, SysML**
  - **ERD, DFD**
  - **Design Pattern, Refactoring...**
  - UX/UI with Wireframe/Wireflow
  - Advanced tools (**ETL, Views...**)



## Project Management, Agile

- Lifecycle
  - **PMBOK**(Process Map)
  - **PM**(Process Map, Guide-Through)
- Scrum (**Process/Large Scale** Canvas)
  - **Backlog** Management with USM
  - **Workload** Estimation
  - **Progress** Management
- Nexus (Canvas)
- Task Management/Monitoring
- Planning (Gantt, PERT) & Scheduling
- Report Generation
- Diagrams & Charts templates



## DevOps

- Code Engineering(Forward/Reverse)
  - **Class**
  - Source Code (Java, C#, C++, Python...)
  - **Swagger, Open API**, API blueprint
  - Persistence (DB, Hibernate,...)
  - Run in IDE (Eclipse, NetBeans, Itellij,...)
- DB Engineering(Forward/Reverse)
  - **Database support** (Oracle, SQLServer,...)
  - **DDL, DML** generation
  - Persistence (Hibernate, NHibernate) support
- **Use Case** management
- **Visual Modeling** capabilities
- **Automatic docs** builder

