

Service oriented architecture

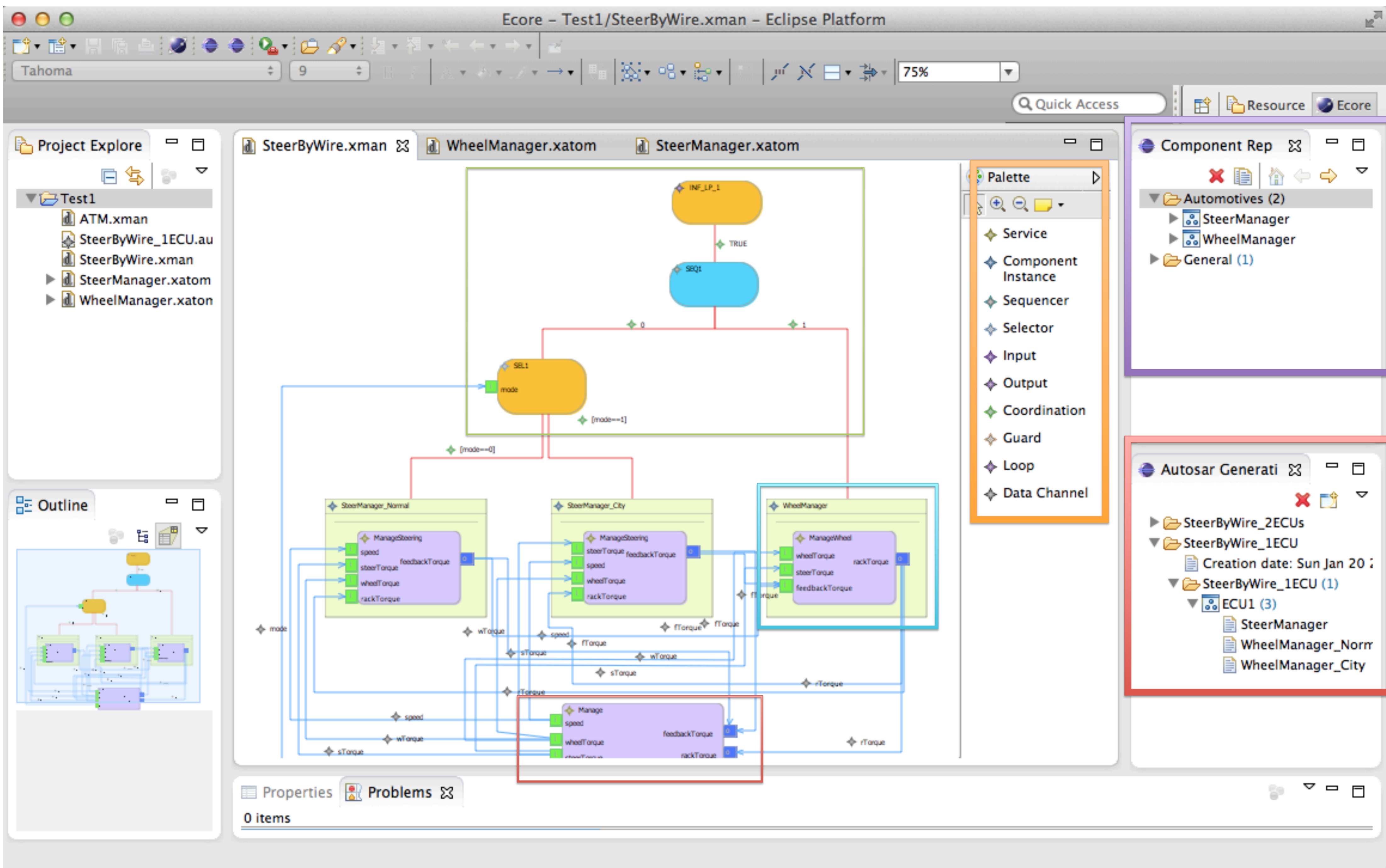
Component model with hierarchical composition and compositional V&V

Components are designed, built and verified, and stored in a repository

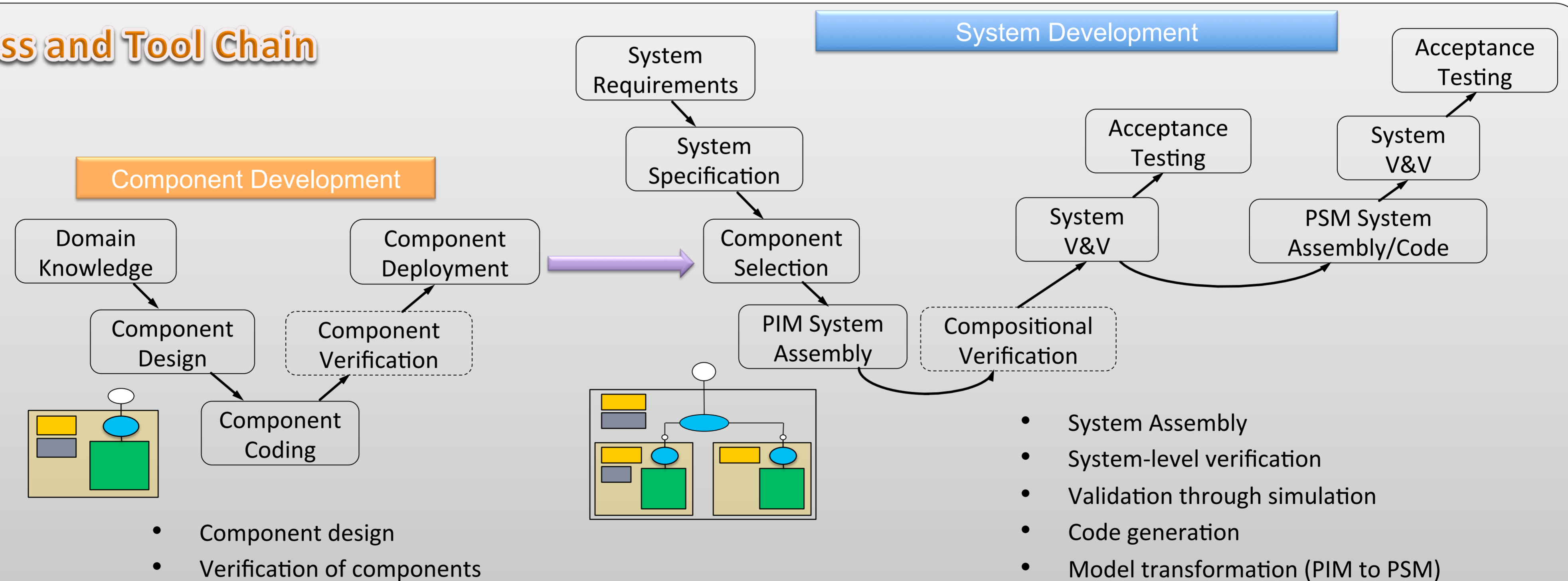
Components are de-coupled: they have no external dependencies and do not share state

Systems are built by assembling components using pre-defined composition operators (also stored in a repository)

PIM model with model transformation(s) to PSM(s) for embedded multi-core platforms



Process and Tool Chain



WP1: X-MAN architecture

WP2: X-MAN modelling and code generation

WP5: X-MAN Tool and Tool adapter

WP7: Automotive use case