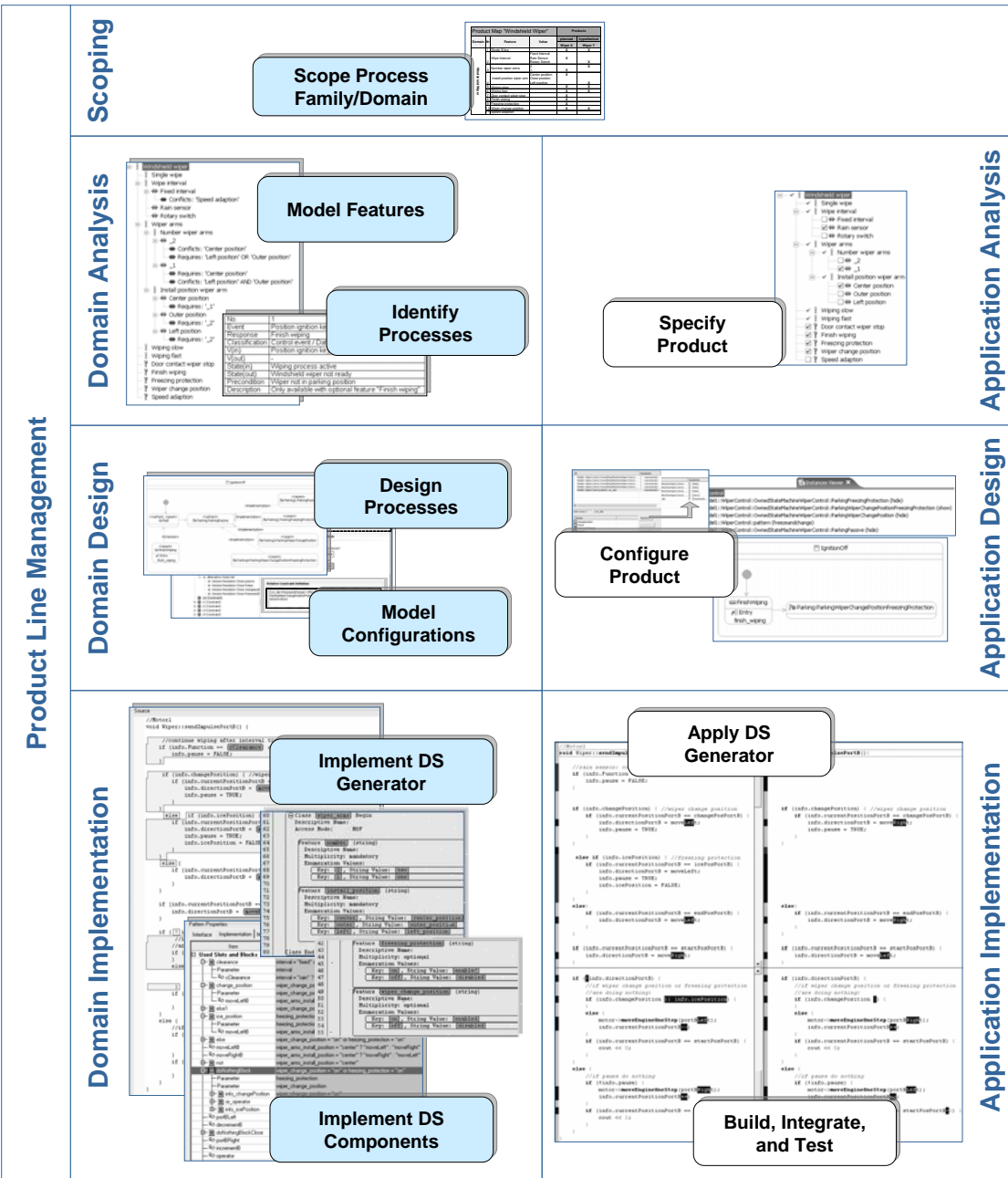


PESOA

Process Family Engineering

Software product variants deliver

- flexible process-based applications
- easy-to-manage software process variants
- applications automatically generated from variant-rich software processes
- at low costs
- in short time
- of first-class quality
- in dynamic markets



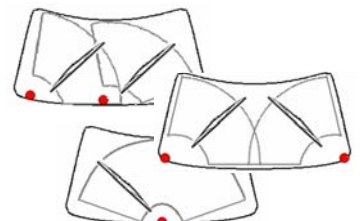
E-Business Domain



ehotel application variants

- standard or enhanced search
- dynamic or static map
- online booking or conventional hotel request
- company-specific hotel discounts
- company-specific online reporting

Automotive Domain



Windshield wiper variants

- 1 or 2 wiper arms
- fixed or adaptable intervals
- rain sensor
- freezing protection
- automatic wiper stop
 - when front doors open
 - when engine hood opens

More information on www.PESOA.org

Supported by the German Federal Ministry of Education and Research (BMBF)



From Domain-Specific Generators to Automating the Automation

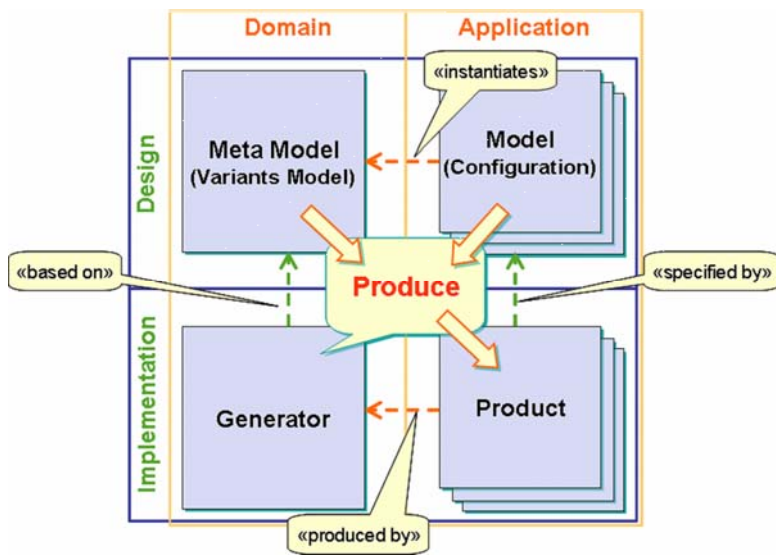
Domain-specific software generators

- enhance software quality & productivity
- implement product lines
- enable 100% code production

Automating the automation

- regards generators as a discrete domain
- applies model-driven development methods
- streamlines generator construction

Delta Software Technology @ PESOA

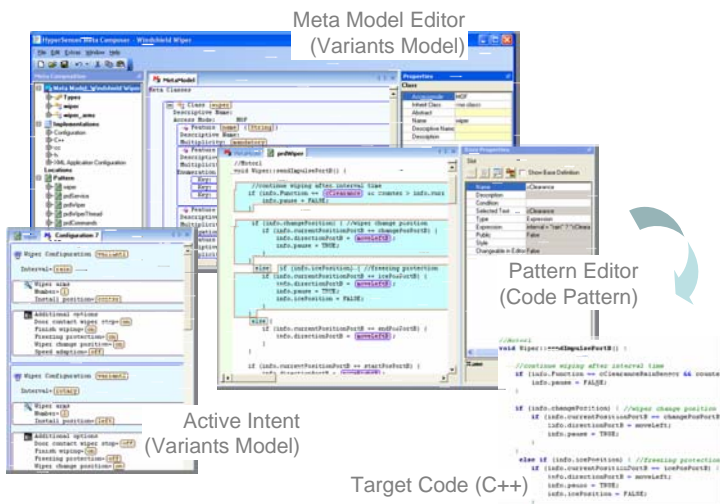


Variant Generation Toolbox

- **HyperSenses™** for domain-specific generator implementation
- OMG standards MOF and XML
- Process models for product families (top-down)
- **Pattern By Example™** for code patterns definition (bottom-up)
- **ANGIE™** for integrated tool chain implementation
- “Generator as a service”
- Automotive target platform: PURE, 8-bit RISC processor, C++

Automating the Automation in Practice

- Co-operation with MetaCase: HyperSenses coupled to MetaEdit+
- Automated mass changes with AMELIO Modernization Platform™ (based on HyperSenses and ANGIE)
- RDW: customised mainframe application modernisation



More information on www.D-S-T-G.com