



# *Armstrong Process Group (APG)*

## Corporate Overview

Armstrong Process Group, Inc.  
[www.aprocessgroup.com](http://www.aprocessgroup.com)

# APG – Company Mission and Vision

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Provide **proven and practical** process guidance for aligning **information technology** and **system engineering** capabilities with **business strategy**.

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Deliver integrated strategic improvement **consulting**,  
Customized classroom **training**, real-world project **coaching**  
And professional development **products**  
– Based on open, industry **standards** –  
To help our clients realize **business value**  
while making them **self-sustainable**.

# About Armstrong Process Group

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*“APG is an industry thought leader in enterprise architecture, systems and software engineering, process improvement, and agile methods”*

- Industry Participation
- Vendor Partnerships
- APG-developed Products
- World-Class Consulting Services
- Customized Training and Certification Courses
- Customer-Focused Support Services

# Industry Group Participation

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- Influencing member of the Object Management Group (OMG)
  - UML, SPEM, SysML, UPDM
- Member of The Open Group Architecture Forum
  - TOGAF and ADM, ArchiMate
- Committer for the Eclipse Foundation
  - Eclipse Process Framework (EPF)
- Association of Enterprise Architects (AEA)
  - Knowledge and Mentoring Partner
- Center for Enterprise Architecture (CEA)
  - Pennsylvania State EA masters program
  - Corporate Advisory Council member
- DoDAF Working Group
  - DoDAF 2.0 Content Contributor

# Vendor Partnerships

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## IBM Advanced Business Partner

- IBM Independent Software Vendor (ISV) and Reseller
- 15+ years experience with Rational software and Telelogic systems products



**Authorized  
Software Value Plus**  
Rational

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## Sparx Systems – Premier North American Partner

- Training/Consulting Partner
- Value-Added Reseller
- 10+ years experience with Enterprise Architect modeling tool

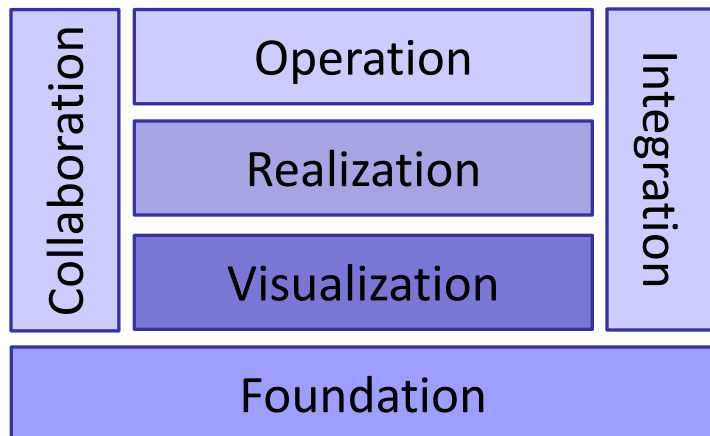


# World-Class Consulting

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- Organizational Maturity Assessment
- Professional Development and Skills Assessment
- Process Definition and Modeling
- Enterprise Architecture
- Portfolio / Program Management
- Systems Engineering and Software Development
- Industry Frameworks (TOGAF<sup>®</sup>, RUP<sup>®</sup>, MDA<sup>®</sup>, CMMI<sup>®</sup>, DoDAF<sup>®</sup>)

# Enterprise Architecture In-A-Box



- EA-In-A-Box™ from APG is an **integrated** set of **service** and **product** offerings that provides everything an organization needs to:
  - **Establish** an enterprise architecture (EA) practice
  - **Accelerate** EA development
  - **Realize** EA strategy
  - **Sustain** EA investments
- Provides **one-stop shop** for people, process and tool elements of making enterprise architecture real in your organization

[www.aprocessgroup.com/ea-in-a-box](http://www.aprocessgroup.com/ea-in-a-box)

# EA-In-A-Box Facets: Roadmap for Maturity

Each facet consists of:

- Specially integrated APG consulting and training services
- Combined with products from APG and IBM® Rational®

## Foundation

- Establish your EA practice

## Visualization

- Build models of the architecture landscape

## Realization

- Make target architecture models a reality

## Integration

- Align architecture with business strategy



## Support

### Specialization

- Apply appropriate standards and frameworks

### Operation

- Sustain investments in architecture assets

### Collaboration

- Enable EA teams to work together



# APG TOGAF Process Library (ATPL)

View online at [www.aprocessgroup.com/togaf/published](http://www.aprocessgroup.com/togaf/published)

The screenshot shows the APG TOGAF Process Library (ATPL) v2.0 website. The page has a header with the TOGAF logo and the APG logo. A navigation tree on the left lists various sections. The main content area is titled 'APG TOGAF Process Library (ATPL) v2.0' and includes a 'Main Description' section. This section features a graphic for 'TOGAF® Version 9.1' and lists 'Getting Started' and 'Supporting Material' items. A 'Table of Contents' is also provided, listing parts I through VII.

- Set of RMC/EPFC method plugins
- Represents complete TOGAF 9.1 standard
- Includes work breakdown structure (WBS) for ADM
- Allows end-users to customize and extend TOGAF
- Enables EA integration with other lifecycles
  - Portfolio/program management
  - Solution delivery
  - Service management

*“The ATPL from Armstrong Process Group is a major step in enabling even greater uptake of TOGAF.”*

*– Allen Brown, CEO, The Open Group*

# APG TOGAF 9 Certification and Tool Training

- ***TOGAF 9 Certification Training*** (four day course) for those individuals seeking to become TOGAF 9 Certified (Level 2)
  - Web-based tutorial (WBT) delivery offers ***online, self-paced*** approach for TOGAF certification with simulated exam questions at end of each module and final practice exams. Available ***24x7 globally***.
  - Instructor-led training (ILT) delivery offers traditional onsite classroom experience. Materials are the same for both approaches.
  - Participants will be well-prepared to take official TOGAF 9 certification exams. Exams can be taken at any Prometric testing center.
  - [www.aprocessgroup.com/training/course-01-0217/](http://www.aprocessgroup.com/training/course-01-0217/)
- ***Rational System Architect for TOGAF*** and ***Sparx Enterprise Architect for TOGAF*** (two-day onsite courses) for tool users who want TOGAF guidance
  - [www.aprocessgroup.com/training/course-01-0618/](http://www.aprocessgroup.com/training/course-01-0618/)
  - [www.aprocessgroup.com/training/course-01-0623/](http://www.aprocessgroup.com/training/course-01-0623/)

# APG Skill Expertise Areas

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- Align process improvement initiative with business strategy
- Raise awareness with executive management and key stakeholders
- Establish process management and governance communities
- Integrate new practice with other organization lifecycles and processes
- Formally define organization-specific methods
- Develop iterative practice deployment plans
- Support pilot project teams
- Design custom learning programs and implement learning management systems (LMS)
- Develop training curriculum
- Deliver instructor-led training (ILT) and web-based tutorials (WBT)
- Describe tool integration strategy based on organization-specific traceability strategy
- Establish tool usage standards and guidelines
- Coach teams working on real-world projects

# Onsite Customized Training

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## ***Certifications and Popular Offerings***

- TOGAF® 9 Certification Program
- Model Driven SOA
- UML® Certification Fundamentals
- Agile Development Fundamentals
- Use Case Modeling Fundamentals
- Business Process Modeling with BPMN
- Requirements Management Fundamentals
- Object-Oriented Analysis and Design with UML®
- Rational Unified Process® (RUP®) Fundamentals

## ***Methods, Techniques, and Tools Training – Courseware Tracks***

- Enterprise Architecture
- Service-Oriented Architecture (SOA)
- Model Driven Architecture
- Business Modeling & Requirements
- Systems and Software Architecture
- System Analysis & Design
- Process Improvement and Project Management
- Software Development and Testing Fundamentals
- Tools (Rational, Sparx)

# Customer-Focused Support Services

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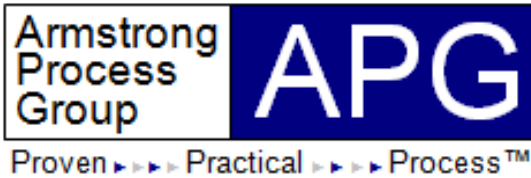
- Onsite services
  - Process improvement consulting
  - Facilitated workshops
  - Instructor-led training
  - Project coaching and mentoring
  - Tool installation and configuration
- Offsite support through webinars, email, and remote teleconferences as required
- Offer web-based tutorials (WBT) via our new online learning management system (LMS) – the APG Learning Portal
- Available on retainer basis for on-demand advisory and consultative needs
- Regularly post new content to our [myAPG](#) resource portal to keep clients abreast of reusable assets, emerging developments, standards, and best practices

# APG Experience

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- Engagements over the last 20 years delivering world-class solutions
  - Fortune 1000 companies
  - Federal and State Government agencies
- In diverse business domains
  - Financial services
  - Energy (DOE and Commercial)
  - Insurance
  - Healthcare
  - Retail
  - Software
  - Manufacturing
  - Telecommunications
  - Aviation
  - Military/Defense (DoD and Commercial)

# APG Contacts



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# ***APG Case Studies***

Armstrong Process Group, Inc.  
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# Case Study #1 – Health Care Company

- Engaged APG to support their ***next generation customer service/nurse line*** initiative
- Designed and delivered ***customized training*** curriculum to 40 team members
  - Unified Modeling Language (UML) for ***business architecture, business process modeling, and requirements management***
- Developed ***traceability strategy*** including elements such as business process workflows, business rules, and business requirements
  - Extended into solution delivery lifecycle to connect with system requirements and test cases
- Worked with tool deployment team to ***configure modeling and requirements management tools*** to implement the traceability strategy
  - Created a set of reports representing key business architecture views that could be automatically generated out of the integrated tool repository
- Project was reported as only ***business transformation project*** that was deemed a ***success*** within entire corporation for that calendar year
  - Local tool vendor team also reported that they had never seen a more ***elegant and capable*** implementation of their tools

# Case Study #2 – Unemployment Insurance

- Engaged APG to build a **business architecture capability** and lead organization in **strategic business and technology transformation**
- Agency wished to **replace all legacy technologies**
  - Acquire new **package implementation** that incorporated best-of-class business practices for unemployment benefits
- Scope included **enterprise business services** and capabilities
  - Benefits management
  - Benefits eligibility and certification
  - Claims processing and disbursement
  - Determination of monetary benefits
  - Claims adjudication
  - Inter-agency collaboration (state and federal)
  - Financial reconciliation
  - Federal and state reporting and auditing
- Provided initial **lead business architect** and project coach
  - Supported application of the newly learned skills
  - Facilitated group workshops and one-on-one mentoring/coaching sessions

# Case Study #2 – Unemployment Insurance

- Designed and delivered **customized training curriculum** to over 60 team members
  - Unified Modeling Language (UML) for **business architecture**, **business process modeling**, and **requirements management**
- Designed **enterprise traceability strategy** and implemented in tools
  - Developed custom business **architecture data warehouse** to support specialized reporting requirements
- Helped team produce **comprehensive business process model** that was used to derive set of system requirements for future implementation
  - **Automatically published RFP** for procuring a package implementation
- Agency **significantly out-performed sister agency** that was attempting something similar
  - **Delivered RFP in four months**, as opposed to two years for sister agency (with three times scope)
- **Supported project** after RFP was awarded
  - Established **governance**, **management**, and **development** capabilities
  - Provided **ongoing training** to new team members

# Case Study #3 – Global Petroleum Corporation

- Engaged APG to analyze current use of modeling tool for *global project* use
- Design appropriate *version control integration* for multiple user access
  - Configured tool for versioning and baseline use including database and elements and use of *Microsoft Team Foundation Server*
- Design proper *SQL server-based repository* for global remote access
  - Supports approximately 30 users from global locations
- Review and analyze existing *model organization structure*
  - Provided *best practices* for model structuring to support packages, elements and diagrams
  - Setup guidelines for restricting roles/permissions using Model Guardian concept
  - Provided details for work flow review/approval process
- Creation of *RTF reports* or other HTML-based reports
  - Created a set of reports representing *key architecture views* that could be automatically generated out of the *integrated tool repository*

# Case Study #4 – National Insurance Company

- Engaged APG to **create an enterprise architecture repository** that would improve the consistency, completeness and availability of IT information used in impact analyses.
- Provide a **reliable enterprise architecture repository** based environment and corporate capability
  - **Provided best practices** for effective and optimized capabilities for an optimized and reliable enterprise architecture practice
- Design appropriate views of content in the repository for different stakeholder concerns
  - Configured tool for role based views and reports to facilitate a **common understanding** of the proposed architecture designs
- **Reduce impact analysis time**
  - Created views and reports that reduced the impact assessment time from **three months to less than one month**
  - Significant reduction in domain expert resources required for assessment effort
- **Demonstrate compliance** of regulatory rules
  - Created reports **to more accurately verify compliance** with regulatory guidelines and rules in a more timely and effective manner