

Challenge :

Our mission is to bring science and mathematical precision to the management of complex enterprises and systems.

Accretive Technologies Inc. offers a wide range of business and industrial solutions. Our technology is based on mathematical modeling and the know-how of our experts to help organizations to reduce risks related to the increase in dynamic complexity. Our customers see us as the ideal partner to drive operations and services, to manage change and to support decision making.

How X-Act™ creates value to Customers

- **Analyze** proposed changes and how they impact cost, efficiency, and quality
- **Explore** the effect of changes to business parameters and/or system designs
- **Predict** early on the business risks and discover system limits
- **Identify** actions to contain the risks, stretch limits, accommodate and mitigate them before any action is taken
- **Discover** bottlenecks, contention points, and limits of current or proposed solution
- **Improve** corporate efficiency and effectiveness

X-Act™ provides Corporation :

- **A decision support platform to test opportunities.**
- **A response to the Gap between Business and Infrastructure.**
- **The possibility to discover the best options before any significant investments are made.**
- **Certainty and Assurance to execute the right solution.**
- **Service Triangulation : optimum Cost | Quality | Throughput**



- **June 2008** : Accretive's founder awarded by the **computer world honors** program (<http://www.cwhonors.org>)



- The only solution that **covers the entire stack** from corporate drivers, business services and dynamics to IT infrastructure and network solutions.
- **15 years of cumulated expertise** in corporate performance management and analytical modeling.
- More than **400 End to End studies**, in many industries (Financial services, Telecom, Retail, Government services etc.)
- **First class professionals** with various skills from risk management experts to business intelligence, IT or business process management specialists.

Solutions Areas

- **Planning and Sizing** : capacity planning, benchmarking, operational/resources planning
- **Monitoring and Supervision** : supply chain management, disaster recovery, logistics
- **Transformation** : architecture, strategic operations, economic justification
- **Innovation** : public/private cloud, virtualization, dynamic architectures



Technologies

The exploitation of X-Act™ Technology to deliver optimization is driven by a structured methodology and planning process known as **MBA™ (Model Based Architecture)**. The implementation goes through five main conceptual stages namely **Extract, Structure, Emulate, Predict** and **Act**. The objective is to build a model that accurately reflects corporate business processes, its systems stack and associated technology components. Then, the constructed model becomes an efficient apparatus that is used to determine improvement and transformation actions through scenario computation and causal analysis.

X-Act™ also makes use of Gate™ Mathematical Engine to compute metrics at all levels of the corporation. Gate™ is the heart of Accretive's technology. It uses layered algorithms to represent the incredible complexity of today's Business Systems.

Regarding simulation tools that are available in the market and that are based on statistics; X-Act™ is unique in the sense that it uses mathematical algorithms which are able to represent the behavior of complex systems with high precision, representativity and reproductibility.



Services

- **Consulting services** : a proven methodology and first class professionals.
- **SaaS**: Solution as a Service, Cloud based secured deployment.
- **Customer support**: Accretive Center of Excellence supplies high value support services.
- **Education**: Accretive experts can transfer their know-how and best practices for a more autonomous use of X-Act™ technology.



X-Act features

X-Act™ derives the most critical information to your business. Whether it is finding your return on investment (ROI) or which architecture will be the most efficient, X-Act™ can help.

X-Act™ Metrics

Business Capacity
Business Throughput
Ceiling – Utilization Limit
Process Delays
Aging Rate
Degradation Ratio
Margin Erosion Rate
Uncovered-Value Ratio
Total-added-Value Ratio
Cost Inflation Rate

X-Act™ Libraries

More than 7500 pre-modeled subassembly components representing businesses, service processes, architecture patterns and infrastructures and technology platforms. It allows architects and decision makers to test ideas, select strategies and build operational models in same way as the use of CAD/CAM in industry.

X-Act™ Dashboards

Limits curves
Control panel
Action plan
Service trajectories

X-Act™ Views:

Service management view
Resource management view
Financial management view

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