


# VSI OFFERS CONTROL SYSTEM SOLUTIONS

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**HELPING PEOPLE CONTROL THEIR FUTURE** 

IN REAL TIME  
- TOMORROW  
- NEXT WEEK  
- NEXT MONTH  
- NEXT YEAR  
- ...

**PREDICTION AND CONTROL TECHNOLOGY**  
ESTIMATION & ASSESSMENT SYSTEMS  
PLANNING & PREDICTION SYSTEMS  
DECISION & CONTROL SYSTEMS

**GRAPHICS TECHNOLOGY - 2-D & 3-D**  
VISUALIZATION  
GEO-PHYSICAL MAPPING  
INTERACTIVE GRAPHICS

**PROCESSING TECHNOLOGY**  
DISTRIBUTED PROCESSING  
PARALLEL PROCESSING

**COMPUTER-AIDED DESIGN TECHNOLOGY**  
MODELING & SIMULATION ENVIRONMENT  
SOFTWARE DEVELOPMENT ENVIRONMENT

**USING TECHNOLOGIES THAT:**  
SCALE WITH INCREASING COMPLEXITY  
PROVIDE USER-FRIENDLY - EASY TO USE SOLUTIONS

STRATEGICPOSITION 7/01/06

Visual Software International (VSI) is an engineering firm with a deep technical background in the areas outlined in the box above. It has a reputation for solving some of the world's most difficult design, prediction and control problems. The engineers at VSI have extensive experience in building tailored systems for real time prediction and control. Examples of these types of systems are provided below.

## **TAILORED SYSTEM OFFERINGS**

Examples of the types of systems that can be tailored by VSI for its clients are provided below.

- Real Time Prediction and Control Systems
  - Air Traffic Control
  - Communications Network Control
  - Power Grid Control
  - Power Plant Control
  - Manufacturing Plant Control
- Global Tracking & Planning Systems
  - Cargo Tracking, Prediction, & Planning
  - Marketing, Sales Tracking, & Prediction
- Overall Corporate Planning
  - Sales Predictions by Market
  - Market Penetration & Sales
  - Infrastructure Optimization & Completion
  - Operational Achievement & Cost

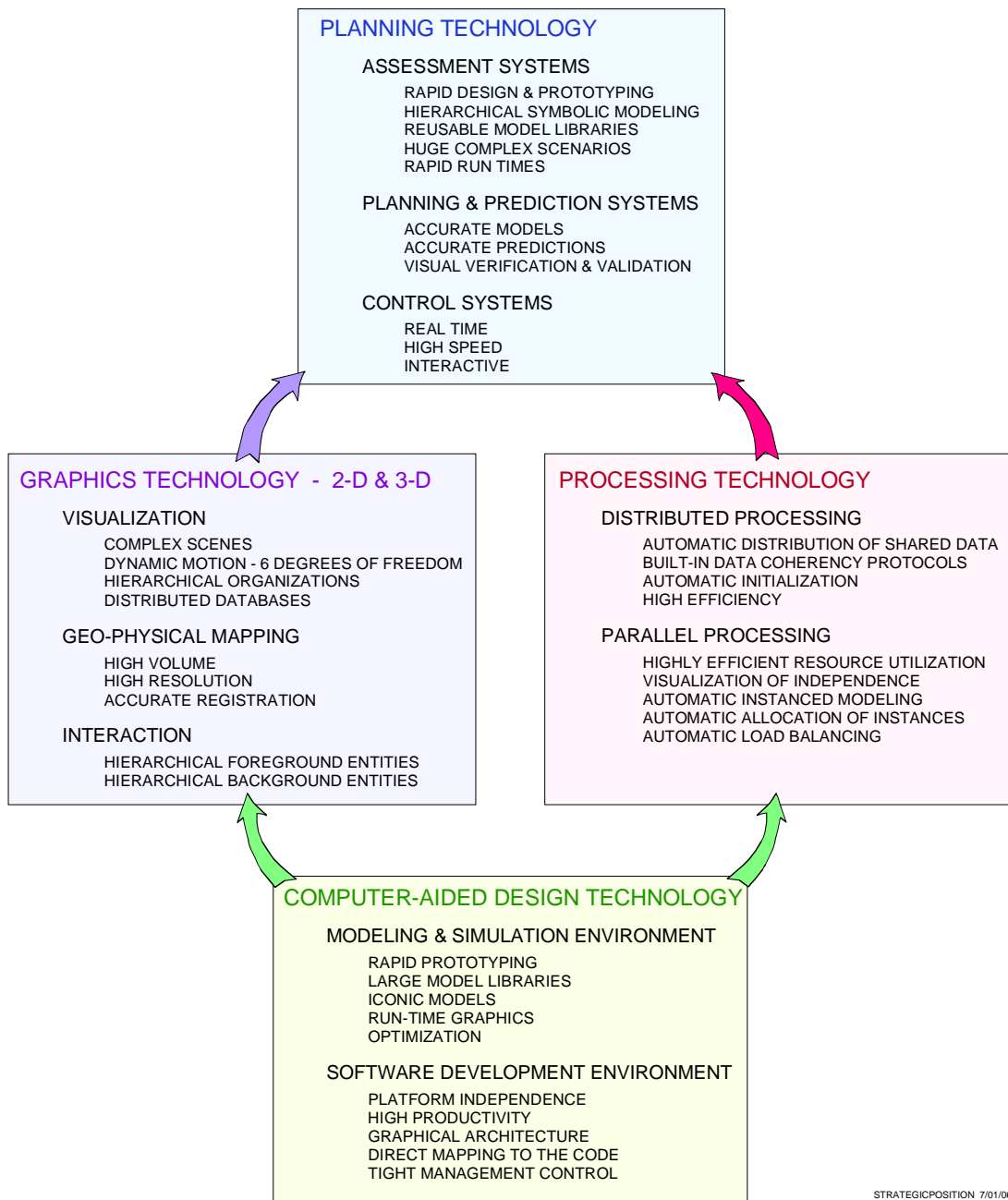
## **AREAS OF PERTINENT EXPERTISE AND INFRASTRUCTURE**

To build the types of systems outlined above, VSI has extensive expertise and software on the shelf (infrastructure) to support the areas listed below.

- Nonlinear and Adaptive Filtering and Estimation
- Simulation, Prediction, Planning and Control
- Steady State /Frequency Domain Modeling
- Modeling in the Continuous Time, Discrete Time, and Discrete Event Domains
- Discrete System and Complex Decision Process Modeling
- Constrained Optimization for Highly Nonlinear Systems and Constraints
- Extremely Fast and Robust Solutions to Non-Linear Systems
- Complex System Visualization in 2D and 3D

An overview of the extensive technology infrastructure that VSI has built over the years is provided on the next page. This infrastructure can be brought to bear so VSI can tailor the most accurate and responsive real time prediction and control systems in very short time frames for its clients.

# TECHNOLOGIES THAT SUPPORT PLANNING, CONTROL, EASE OF USE & GROWING COMPLEXITY



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