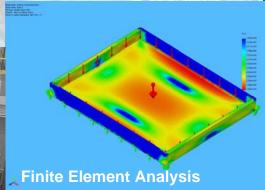


Supporting Your Engineering Needs









- Product Optimization
- Machine Design
- Tooling / Testing Design
- Automation



- Founded in 1999 specifically to support the high performance needs of NASA.
- Grown to service the engineering needs of design and manufacturing companies.
- Licensed professional Engineers



Do All Your Pieces Fit?

GOALS & MISSION



Engineering

System Structural Mechanical

Electrical
Controls
Software

Special Effects

Animation

Ride Systems

Kinematic Machines

Mechanical Appli-

Pneumatics

ances

Hydraulics

Communications

Our **GOAL** at A.K.A. Engineering is to provide quality, cost effective engineering designs while minimizing technical risk.

Our **MISSION** is help you improve your product and your processes by **Supporting Your Engineering Needs**.

Our **FOCUS** is on integrated system engineering; specifications, engineering, analyses, design reviews, drawings, manufacturing, testing, and documentation.

Our **Years of EXPERIENCE** have taught us the value of developing innovative, cost effective, "on time" designs while coordinating all aspects of engineering, manufacturing, purchasing, and production.

project management skills honed both in the office and on-site, have given us the expertise to choose the practical and economical solution.

Clear **COMMUNICATION** maintains the quality of the project. Weekly progress reports and progress meetings keep the client informed and the project moving smoothly.

KEY COMMUNICATION
DRIVES YOUR PROJECT'S
SUCCESS.

Technical Risk Management

Requirements

System

Operational

Maintainability

Reparability

System Life Test Plans

Integration

Overall Design

Margins

Requirements

Analyses

Design Reviews

Analyses Reviews

Testing

Commissioning







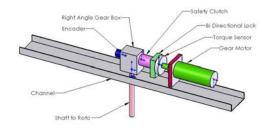


Product Development

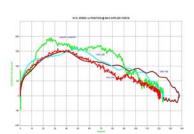




Vehicle Development and Testing



Machine Design and Kinematics



Analyses and Reports



Automation and Material Handling Systems

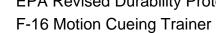
Solving Your Puzzle

PROJECTS





- Army Multi-Purpose Cargo Loader/Unloader
- 10 MW Turbine Generator Set
- 40" Hybrid Electric Bus
- Action Ride / ShowScan Theaters
- Automotive Vehicle Engineering
- Caesar's Palace Race for Atlantis
- EPA data analysis programs
- **EPA Revised Durability Protocol**







- M1A1 Abrams Trainer Platform
- NASA Control Force Loaders
- NASA Flight Trainer Simulator
- Nevada Stateline Monorail





- Noise simulation and abatement
- Off-Road Construction Equipment
- Servo Control construction equipment
- Soil remediation Plant
- Star Trek The Experience
- Cosmic Adventure Ride





- Themed Safety Rails for Matterhorn Ride
- Mummy's Revenge Ride
- VR Express Capsule rides





Filling In Your Missing Pieces



CAPABILITIES and SERVICES

PROJECT MANAGEMENT

- Concept Development
- Facility Interface
- Permit Coordination
- Hardware Design Reviews
- Software design Reviews
- Integration and Test
- Installation, Test, and Adjust
- Scheduling
- Budget Management

MECHANICAL SYSTEM DESIGN

- 2-D CAD Shop Drawings
- 3-D Solid Model Design & Drawings
- Stress and Fatigue Analyses
- Thermal Analyses
- Building Loads and Interfaces
- Kinematic Design and Analysis
- Finite Element Analyses (F.E.A.)

INTEGRATION AND TEST

- Specification verification
- Sub-system interface verification
- Performance Measurement

FACILITY

- Power Requirements
- Manage Sub-Contractors

TEST AND ADJUST

- Engineered solutions to field anomalies
- Fine tuning for performance and effect
- Performance Verification

MANUFACTURING OVERSIGHT

- Manufacturing Coordination
- Material Flow Analyses
- Quality Assurance
- Acceptance Testing of Equipment

SYSTEM SPECIFICATION and DESIGN

- System Layout
- System Requirements and Analyses
- Operational Requirements and Analyses
- Computer Program Design Specifications
- Specification Generation
- Through-Put Analysis
- Cost-Benefit Analysis
- Functional Block Diagrams
- Ride Development
- Show Development
- Failure Modes Analysis

CONTROL SYSTEM DESIGN

- System Single Line Drawings
- System Interconnect Drawings
- Control Logic Diagrams
- Ladder Logic
- PLC and Computer Implementation
- Timing Diagrams
- Servo-System Design
- Servo-Synthesis

INSTALLATION MANAGEMENT

- Site Management
- Team coordination
- Coordinate Installation Schedules

COMMISSIONING

- Final sign-off for operation
- Permit Coordination and Acceptance
- Operator Training

DOCUMENTATION

- Drawings
- Reports and Analyses
- Manuals
- Acceptance Plans and Procedure
- Specification

A.K.A. Engineering will explore your design requirements.

A.K.A. Engineering Solves YOUR Puzzle

CLIENTS and CUSTOMERS



- Alfa Leisure, Inc California
- Alvarado Manufacturing Inc. -- California
- Automotive Testing and Development Services, Inc -- California
- Boshart Automotive, Inc California
- Bronx Zoo New York
- Camber Entertainment United Kingdom
- Combustion Associates, Inc California
- Dynamic Research, Inc. California
- Eldorado Stone, LLC -- California
- Environmental Chemical Corp. -- California
- FallGuard Safety Systems California
- Flight Avionics England
- Forum Associates, "Race For Atlantis" Las Vegas, Nevada
- Hydraulic Controls, Inc -- California
- Illinois Institute of Technology Research Institute Illinois
- Jack Loeks Theaters Michigan
- Kawasho Corporation Japan
- Kinetic Investments Pte Ltd. Singapore
- Landmark Entertainment Group California
- Melchers Singapore
- Naval Air Station, North Island, San Diego, California
- NASA Ames Research Center California
- NASA Langley Advanced Research Center Virginia
- Norfolk Southern Railway Georgia
- OC Incorporated - Virginia
- Paramount Parks, "Star Trek The Experience" Las Vegas, Nevada
- Premier Parks, Movie World Germany
- Primm Resorts and Casinos Stateline Nevada
- R. S. Alberts Company Pennsylvania
- Renmark Pacific, Inc -- California
- Ride & Show Engineering California
- Sahara Casino, "Speed World" Las Vegas, Nevada
- ShowScan Entertainment California
- Simuladores, S. A. de C. V. Mexico
- SPORNET South Africa
- TATA Electronic Development Services India
- TePAPA Museum of New Zealand
- Universal Studios
- Universal Studios California

A.K.A. Engineering Supports YOU



Supporting Your Engineering Needs

12515 Sterling Place Chino, CA. 91710

Voice **(909) 627-9725** Fax (909) 590-2138

info@AKAEngineering.com WWW.AKAEngineering.com

