



A Company Overview Presentation



Mangan Background

An Engineering and Automation Specialty Company

- 21 years old
 - 2010 Sales of \$35M
 - 250+ employees
 - Converted to ESOP in 2000
 - CSIA registered member
- Seven offices:
 - Long Beach, CA
 - Westlake Village, CA
 - Lake Jackson, TX
 - Houston, TX
 - Alpharetta, GA
 - Boulder, Colorado
 - Cary, North Carolina
 - Five Industries



The Mangan Family



ENGINEERING & AUTOMATION SPECIALISTS

California • Colorado • Georgia • North Carolina • Texas



Locations

Seven offices in five states



Client Examples

■ REFINERY

- BP/Arco
- Valero
- Tesoro
- Shell
- Suncor
- Chevron
- Big West
- Giant
- Navajo
- Exxon/Mobil
- Conoco Phillips
- Paramount
- Equistar
- Sunoco Refinery

■ PIPELINES

- Colonial
- Kinder Morgan
- LDH Energy
- Shell
- BP
- Oneok
- Teppco

■ CHEMICAL

- Dow
- Lyondell
- Huntsman
- SI Group
- Air Liquide
- BASF
- CPChem

■ OIL & GAS

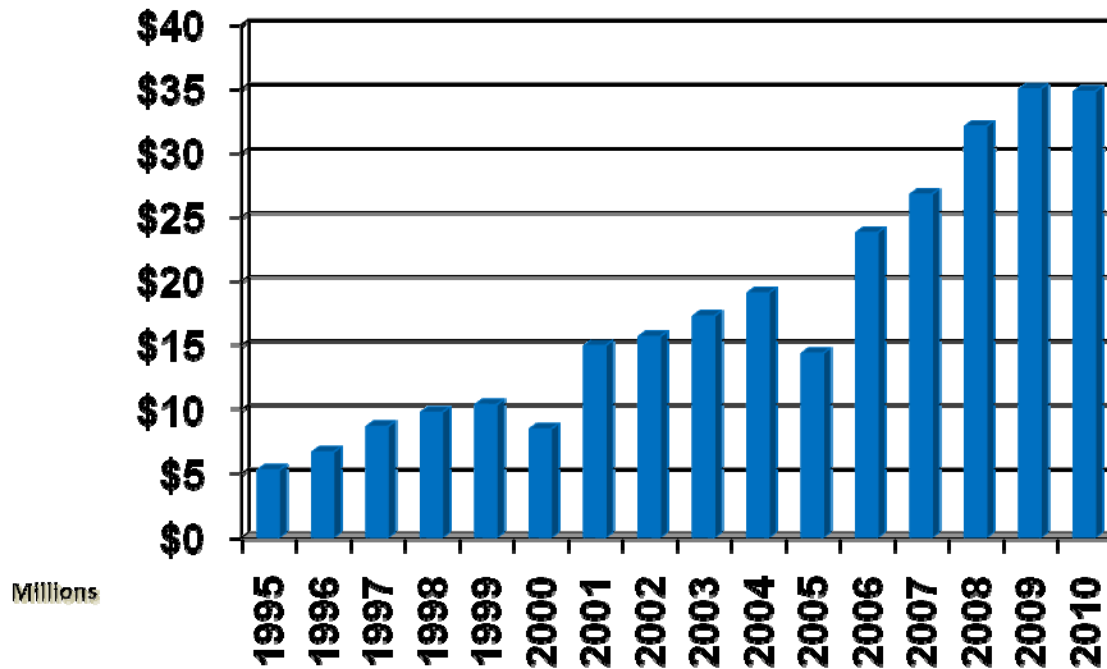
- Oxy
- BHP
- THUMS
- BP
- Unocal
- SoCal Gas

■ BIOTECH

- Amgen
- VaxGen
- Genentech
- Bayer
- Mayne Pharma

Proven Successful Growth

- Projects from \$5K to \$12M
- 85% Annual Repeat Business
- 60% Sole Source



Engineering and Automation Specialists

Completely Integrated

Service Solutions

APC

ARC

Historians

Batch systems

DCS/Hybrid

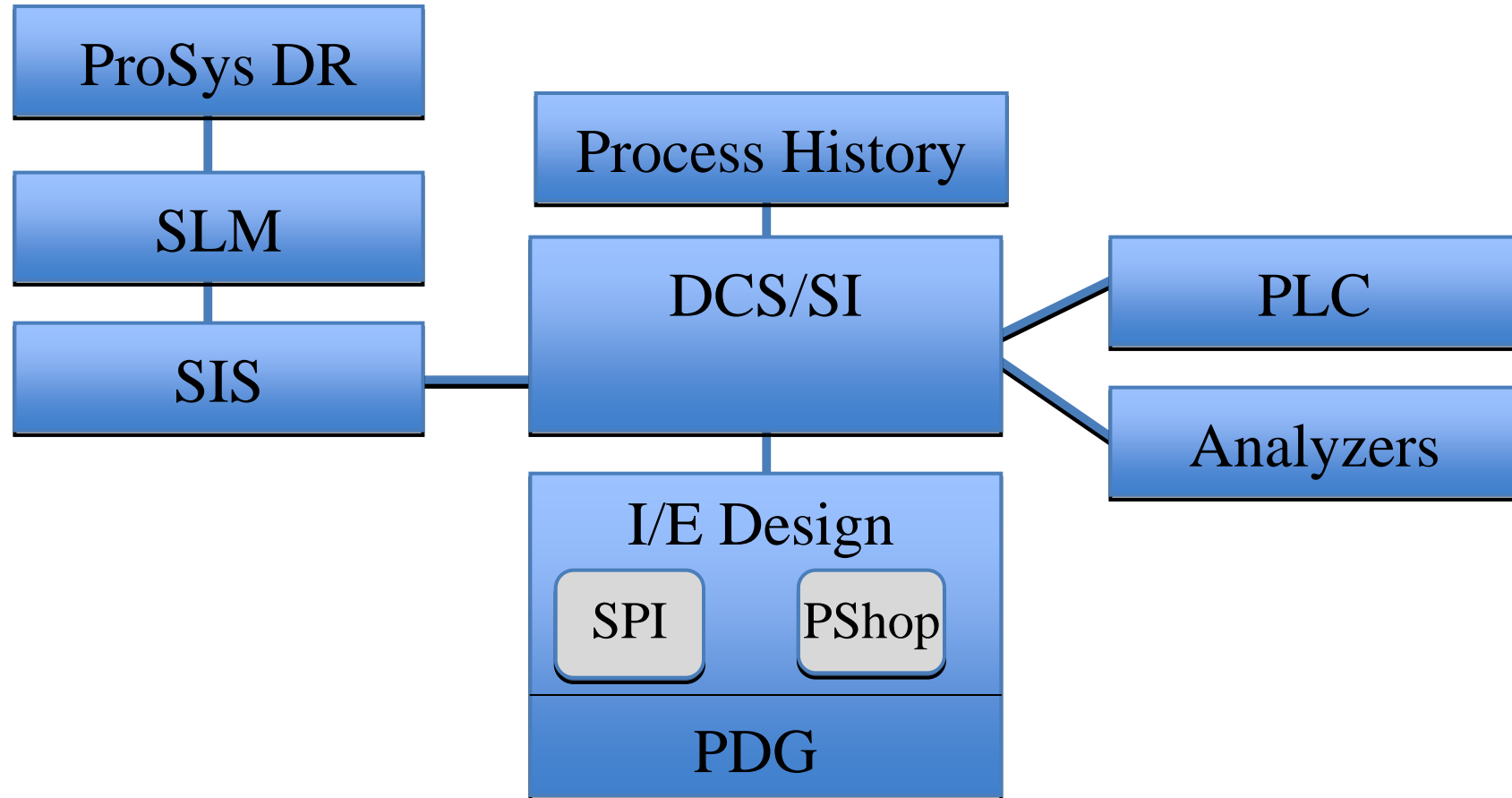
Safety Systems

Process Analyzers

PLC/HMI

I&E Design and Engineering

Mangan's Business Model



Platform Knowledge

PLC Systems

- Allen-Bradley
- Siemens
- GE
- ABB
- Modicon
- Triconex

HMI Systems

- Intellution
- Wonderware
- RSView

DCS/Hybrid Systems

- Honeywell (TDC-2000, TDC-3000, Plantscape, Experion)
- Foxboro I/A (Unix and NT)
- Fisher Provox
- Emerson DeltaV
- Siemens PCS7
- ABB IT

Historian Systems

- Aspen IP.21
- OSI PI
- Honeywell PHD
- Industrial SQL Server

APC Software

- Aspen DMCPlus
- Honeywell RMPCT
- AspenCalc
- Aspen IQ+
- QMC

The logo for MANGAN Inc. features the word "MANGAN" in a large, bold, white sans-serif font, with "INC." in a smaller font directly below it. The text is enclosed within a white rounded rectangular border. The background of the logo is a dark blue industrial scene with workers in safety gear.

MANGAN INC.

Summary

The text "Engineering & Automation Specialists" is overlaid on a background image of two industrial workers wearing hard hats and safety glasses, looking at a piece of equipment. The text is in a large, white, sans-serif font.

Engineering & Automation Specialists

- Serving the Refinery, Biotech, Pipeline & Chemical Industries
- Employee Owned, A Decade of Consistent Growth
- Long Term Clients, Long Time Employees
- Specialty Automation Alliances
- "First Time Right" Critical Control Systems

- Proficient in small or large scale automation projects
- Proven in multiple industries
- Experienced in multiple platforms
- Demonstrated successful migration program
- National and International projects
- Local presence in Houston area
- Fully Integrated Automation Solutions
- Flexible/Innovative/Responsive

