

# CURTISS WRIGHT CORP

## FORM 8-K (Unscheduled Material Events)

Filed 4/8/2005 For Period Ending 4/7/2005

Address	1200 WALL ST W LYNDHURST, New Jersey 07071
Telephone	201-896-8400
CIK	0000026324
Industry	Aerospace & Defense
Sector	Capital Goods
Fiscal Year	12/31

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**SECURITIES AND EXCHANGE COMMISSION**

**Washington, D.C. 20549**

**FORM 8-K**

**CURRENT REPORT**

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Pursuant to Section 13 or 15(d) of the Securities Exchange Act of 1934

Date of Report (Date of earliest event reported): April 7, 2005

**CURTISS WRIGHT CORPORATION**

(Exact Name of Registrant as Specified in Its Charter)

<u>Delaware</u>	1-134	13-0612970
State or Other Jurisdiction of Incorporation or Organization	Commission File Number	IRS Employer Identification No.

4 Becker Farm Road <u>Roseland, New Jersey</u> Address of Principal Executive Offices	07068 Zip Code
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Registrant's telephone number, including area code: (973) 597-4700

\_\_\_\_\_  
Not applicable  
(Former name or former address, if changed since last report)

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Check the appropriate box below if the Form 8-K filing is intended to simultaneously satisfy the filing obligation of the registrant under any of the following provisions (see General Instruction A.2. below):

- Written communications pursuant to Rule 425 under the Securities Act (17 CFR 230.425)
- Soliciting material pursuant to Rule 14a-12 under the Exchange Act (17 CFR 240.14a-12)
- Pre-commencement communications pursuant to Rule 14d-2(b) under the Exchange Act (17 CFR 240.14d-2(b))
- Pre-commencement communications pursuant to Rule 13e-4(c) under the Exchange Act (17 CFR 240.13e-4(c))

## ITEM 7.01 REGULATION FD DISCLOSURE

Curtiss-Wright Corporation delivered an investor and securities analyst presentation at the Sidoti & Company's 9th Annual Emerging Growth Institutional Investor Conference that included the slides and notes filed as Exhibit 99.1 and the notes of the presentation filed as Exhibit 99.2 to this Current Report on Form 8-K, which are incorporated herein by reference. The presentation was made at The Grand Hyatt New York Hotel at 9:40 am EDT on April 7, 2005. A copy of this presentation is also available on the Company's website.

This information is not "*filed*" for the purposes of Section 18 of the Securities Exchange Act of 1934, as amended, and is not incorporated by reference into any filing made pursuant to the Securities Act of 1933, as amended, or the Securities Exchange Act of 1934, as amended. The furnishing of these slides is not intended to constitute a representation that such information is required by Regulation FD or that the materials they contain include material information that is not otherwise publicly available.

## ITEM 9.01 FINANCIAL STATEMENTS AND EXHIBITS.

- (a) Not applicable.
- (b) Not applicable.
- (c) Exhibits.

99.1 Slides and notes shown during Sidoti investor and securities analyst presentation.

99.2 Notes to presentation.

### SIGNATURE

Pursuant to the requirements of the Securities Exchange Act of 1934, the Registrant has caused this report to be signed on its behalf by the undersigned, thereunto duly authorized.

CURTISS WRIGHT CORPORATION

By: /s/ Glenn E. Tynan  
Glenn E. Tynan  
Vice-President and  
Chief Financial Officer

Date: April 7, 2005

EXHIBIT INDEX

Exhibit Number	Description
99.1	Slides shown during Sidoti investor and securities analyst presentation
99.2	Notes to Presentation



An aerial photograph of a vintage biplane on a sandy beach. The plane is white with a dark fuselage and is positioned on the left side of the frame. The background is a vast, textured expanse of sand. In the bottom left corner, the ocean waves are visible, meeting the shore.

# 1 CURTISS WRIGHT

FIRST IN FLIGHT – 100 YEARS  
2005 – 76<sup>TH</sup> ANNIVERSARY

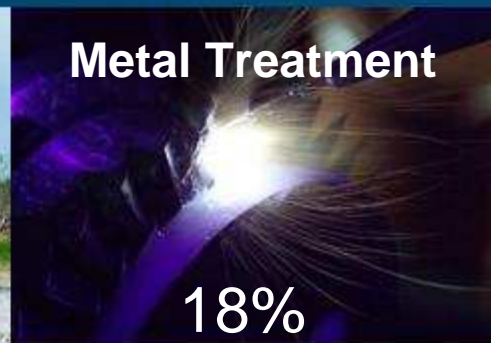
**CURTISS  
WRIGHT**

FEBRUARY 2005

2

# Curtiss-Wright Overview

- Strategically focused, multinational provider of highly engineered products and services
- Strong positions in diversified, profitable niche markets built upon:
  - Engineering and technological leadership
  - Strong customer relationships
- Strong base comprised of 3 business segments



# Highly Engineered Products



**CURTISS  
WRIGHT**

FEBRUARY 2005

# Market Leader

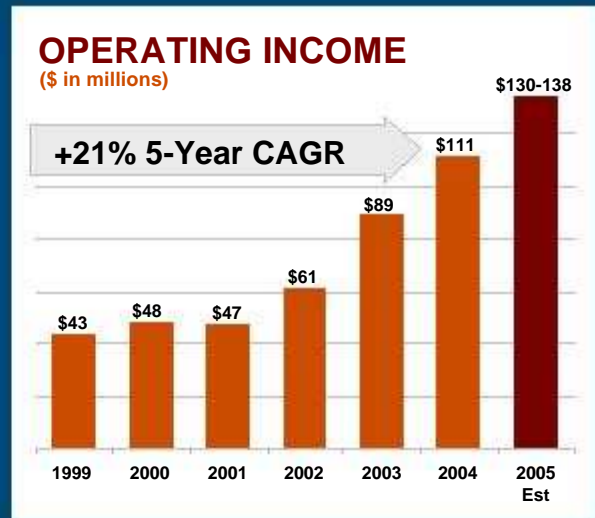
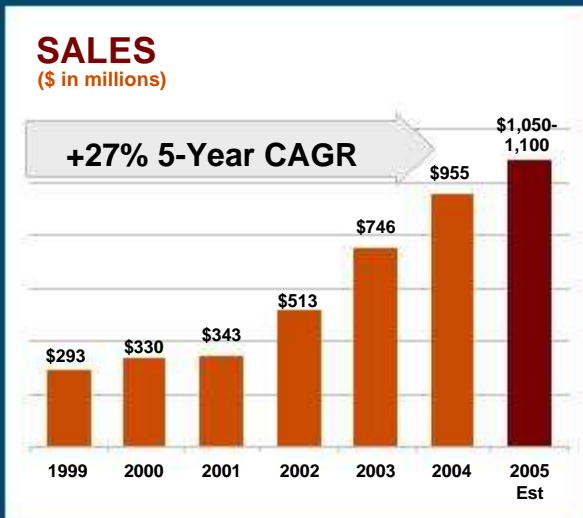


**CURTISS  
WRIGHT**

FEBRUARY 2005



# Growing Sales and Profits



One of America's top 200 Small Companies – *Forbes Magazine* (1999-2002)

Top 100 Hot Growth Companies – *Business Week* (2002)

Top 30 Aerospace Businesses Ranked by Operating Margin – *Flight International* (2002)



FEBRUARY 2005

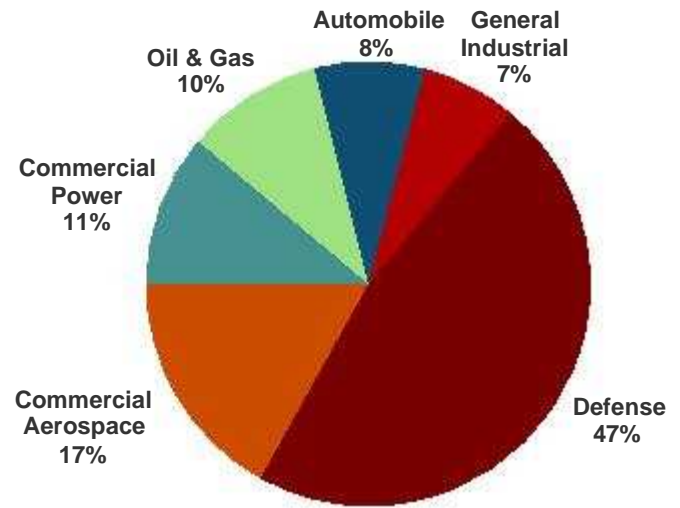
# Earnings Per Share\*



\* 2000-2002 Normalized to exclude the effects of environmental insurance settlements, post-retirement costs, consolidation costs, gains related to post-retirement medical benefits, recapitalization costs and gains on asset sales.

## Diversification

- Increased presence in defense markets
- Increased presence in embedded computing market
- Leading position in commercial aerospace
- Global reach limits exposure to domestic markets



# Business Segments



# Flow Control Segment

## SALES



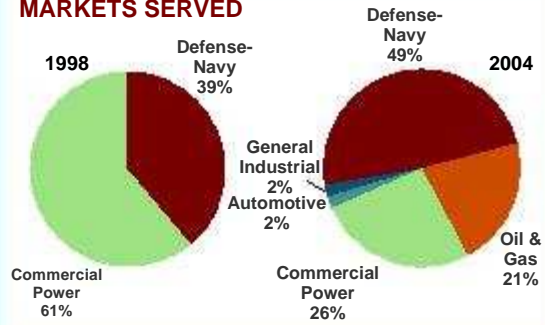
	1998	2004
Business Units.....	2	14
Employees.....	266	2,070
Sales / EE.....	\$ 143,000	\$ 216,000

Product Portfolio: Marine Propulsion Pumps & Valves, Electronic Systems, Commercial Power, Commercial Oil & Gas

## OPERATING INCOME



## MARKETS SERVED



# Flow Control - Products



## 1998

- Engineered control and relief valves

## 2003

- Engineered control & relief valves
- FCCU, coker, butterfly valves
- Engineered pumps & drives
- Nuclear/non-nuclear instrumentation & control systems
- Aircraft carrier flight critical components
- Electromagnetic drive & propulsion system
- Process Safety Management software

## 2004

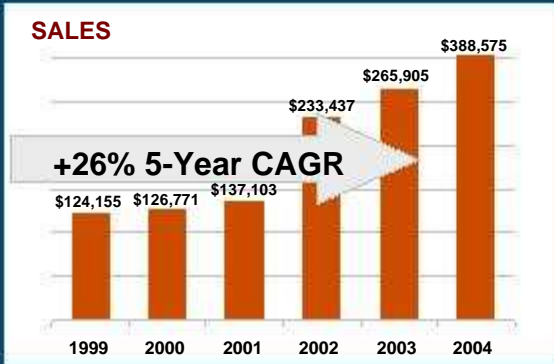
- **Nova** - Nuclear power components
- **Trentec** - Power equipment fabrication and qualification
- **Groquip** - Oil processing valves
- **GMBU** - Naval propulsion pumps

# Flow Control

## Strategy

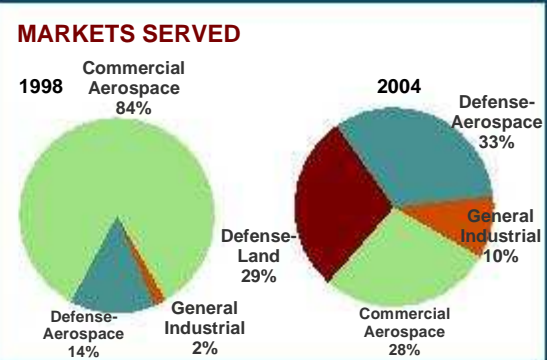
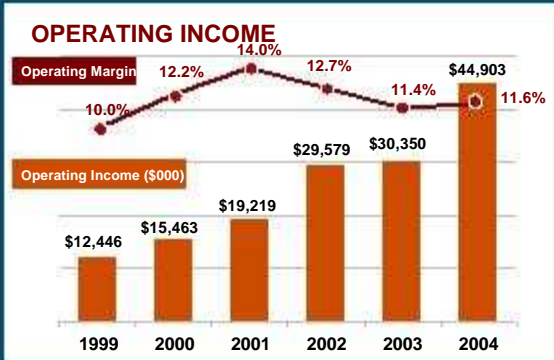
- Expanded new markets with related products
- Expanded technical content into electronic controls
- Expanded into the process industry

# Motion Control Segment



	1998	2004
Business Units.....	3	15
Employees.....	662	1,942
Sales / EE.....	\$ 158,000	\$ 194,000

Product Portfolio: Embedded Computing, Integrated Sensing and Engineered Systems





# Motion Control - Products



## 1998

- Secondary flight control actuation systems
- Component overhaul and logistics support

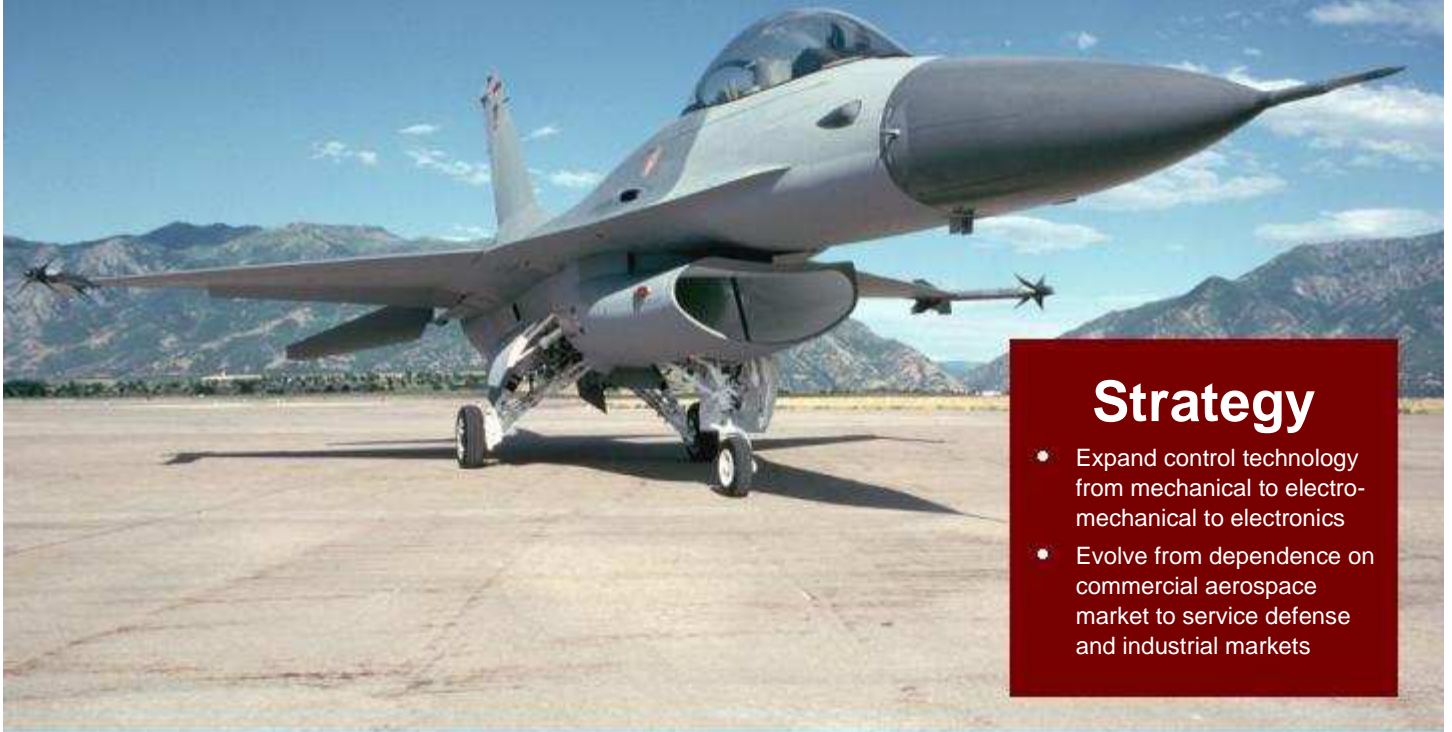
## 2003

- Secondary flight control actuation systems and component overhaul & logistics support
- Electro-mechanical aiming and stabilization systems
- Military fire control systems
- Position sensors & control electronics
- Power conversion products & embedded computing

## 2004

- **Dy 4** - Embedded Computing
- **Primagraphics** – Embedded Computing
- **Synergy** – Embedded Computing

# Motion Control



## Strategy

- Expand control technology from mechanical to electro-mechanical to electronics
- Evolve from dependence on commercial aerospace market to service defense and industrial markets

# Metal Treatment Segment

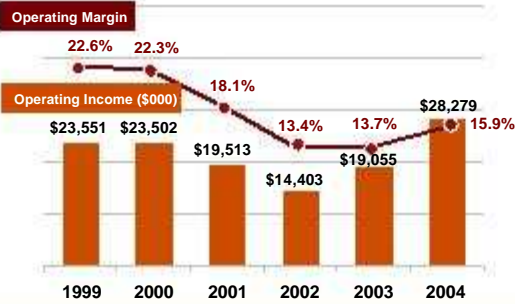
## SALES



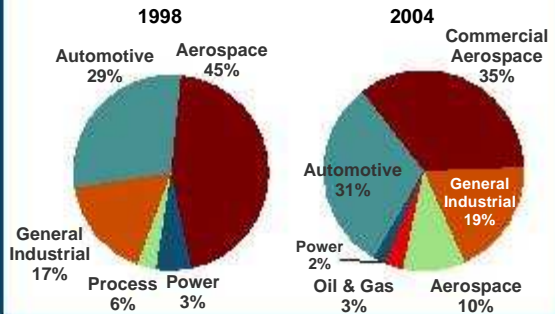
	1998	2004
Business Units.....	36	56
Employees.....	1,075	1,603
Sales / EE.....	\$ 98,000	\$ 112,000

Product Portfolio: Shot Peening, Peen Forming, Laser Peening, Specialty Coatings, Heat Treating

## OPERATING INCOME



## MARKETS SERVED



# Metal Treatment - Services



## 1998

- Shot peening
- Peen forming
- Heat treating
- Special valves

## 2003

- Shot peening
- Peen forming
- Heat treating
- Special valves
- Laser peening
- Coating applications
- Anodizing / chemical milling

## 2004

- **Evesham** – Coatings
- **Everlube** – Coatings

# Metal Treatment



## Strategy

- Increase market share by adding appropriate plant sites
- Add new coatings services to business portfolio
- Introduce new laser technology to shot peening services

# Major Markets



# Defense Market

2005 Estimated Sales: \$525M

## Flow Control

### Navy

- Pumps, valves & electronic systems
- Submarine & aircraft carrier
- Jet fuel pumping system retrofit
- Advanced Naval Propulsion technology

### Army

- Electromagnetic (EM) Gun

## Motion Control

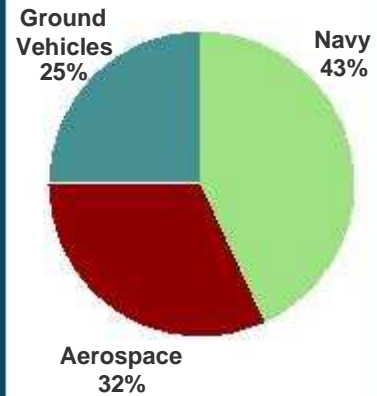
### Aerospace

- Embedded systems, position sensors, actuation and electronic controls
- F/A-22 Raptor, V-22 Osprey, Joint Strike Fighter & Global Hawk

### Ground Vehicles

- Electronic controls, aiming & stabilization systems, embedded systems and position sensors
- Abrams & Bradley tanks
- Future Combat Systems

## DEFENSE SECTORS



# Embedded Systems Markets

## Space Based

Space Station  
Shuttle  
JEM



## Rocket

M-5 Rocket  
Hera  
BA-2



## Communication & Radar

CTT  
GBR  
JORN  
SMART-T  
APX-100  
UPZ-27  
SeaVue



## Aircraft

JSF	U2R
F-22	AV-8B
F-16	EA-6B
F-15	C-130
F/A-18	P3C
Hawk	Harrier
Tornado	F-117

## Helicopter

Commanche  
Sky Guardian 2000  
Cobra  
Apache  
Sea King  
ATIC



## Bombers

B-2  
B-52



## UAV

Global Hawk  
Tier II+  
Predator  
LOROPS  
UCAV



## Surface Ships

SLQ-32  
Type 23 Frigate  
MK45 Gun System  
Typhoon  
EOS-400  
LPD-17



## Submarines

Seawolf  
Collins  
Los Angeles  
NSSL



## Torpedoes & Decoys

Mk-30  
43X2  
TP2000



## Amphibious

LCAC  
AAAV



## Light Armoured

FCS  
LAV-Recce  
Warrior  
HMMWV-ITAS



## Armoured

M1A2  
Bradley-IBAS  
FOX  
Grizzly  
Wolverine





# Embedded Computing Overview

## ***Curtiss-Wright is Transforming the Embedded Computing Landscape***

- Six acquisitions since 2003
  - Revenue run rate \$200M
  - 90% military, 10% commercial markets
- Accelerated strategic integration
  - Global presence leverages CW branding
  - Fully rebranded, single sales channel, R&D aligned
- Diverse customer base ad platforms
  - 5 largest programs generate <25% annual revenues

## ***Fully Integrated, Interoperable Products***

### **Subsystems**

**Global Hawk UAV**  
mission computers and sensor management

**Bradley Tank** gunner control electronics

**Stryker** weapon autoloader controls & turret electronics

### **Modular Solutions**

**F-22** - SBCs

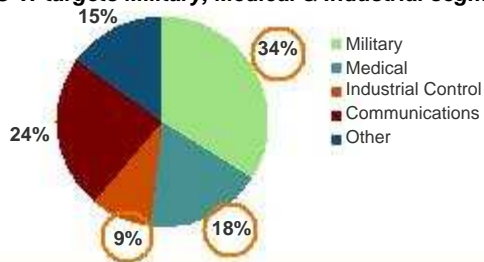
**F-15** - digital interrogation system cards

**Sentinel Radar**

- DSP & SBCs

## ***Worldwide Embedded Systems Market \$4.5bn***

### ***C-W targets Military, Medical & Industrial segments***



- Core market is the \$1.5B Defense segment
  - Established leadership position with outsourcing prime
- Continued outsourcing by the primes (US & Europe)
- Leverage technology into high-end medical and industrial control markets

# Commercial Aerospace Markets

2005 Estimated Sales: 185M

## Motion Control

- Flight control and utility actuation components & integrated systems
- Position sensors, flight recorders, power supplies and fire detection systems
- Component repair & overhaul services to the global airline industry

## Metal Treatment

- Shot Peening – structural components, turbine engines and fan blades
- Shot Peen Forming – wing skins
- Specialty Coatings – structural components
- Laser Peening – turbine engines and fan blades

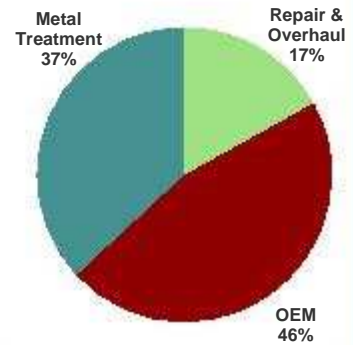
### Airbus:

A300, A318, A319, A320, A321, A330, A340, A380

### Boeing:

B727, B737, B747, B757, B767, B777, B787

## SALES SEGMENTATION



## Laser Peening



- Uniquely positioned as the world-leader in laser peening technology and commercial production
- New market opportunities for laser peening services, such as aerospace wing parts, highly stressed gears, medical implants, and applications in oil & gas

# Industrial Markets

2005 Estimated Sales: \$370M

## Flow Control

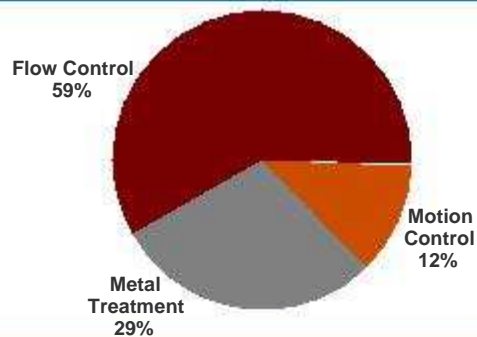
- Commercial power pumps, valves and electronic control systems

## Motion Control

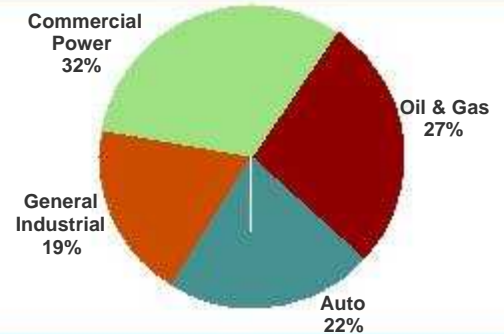
- Stabilization systems for high-speed trains
- Electronic sensors for industrial applications

## Metal Treatment

- Automotive, commercial power, oil and gas, heavy Industrial, medical



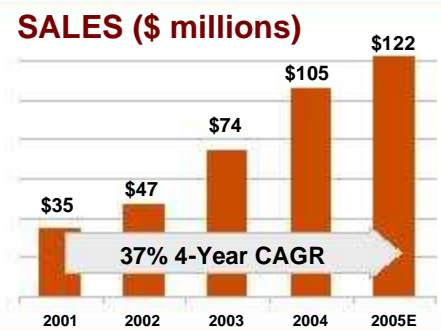
SALES SEGMENTATION



# Industrial Power Generation

2005 Estimated Sales: \$122M

- Plant life extensions: U.S.
- New plant construction: Asia
- Domestic plant restarts: Browns Ferry
- Worldwide increase demand for power
- Expanded product lines: valves, pumps, services

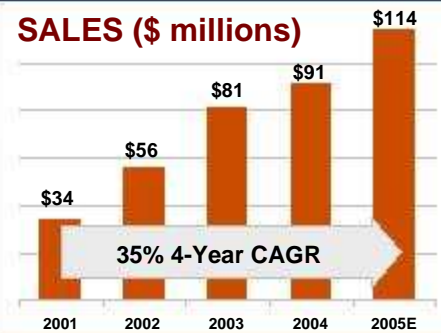


# Industrial Oil & Gas

2005 Estimated Sales: \$114M

## New Products:

- Coke drum deheading valve
- Process Safety Management (PSM) software solutions
- Pilot-operated valves
- Expanded butterfly valve products
- Plant upgrades



# DeltaGuard<sup>®</sup> Coker Valve

Traditional Valves



Curtiss-Wright DeltaGuard<sup>®</sup> Coker Valve



- Revolutionary valve technology for oil refining industry
- Totally automated and sealed system dramatically improves safety
- Significantly reduces maintenance costs and increases throughput
- Enables processing of cheaper grades of crude oil
- Intellectual property patent

**76** Years NYSE: CW, CW.B

## **In Sum: A Solid Investment**

- Established Leader in Niche Markets
  - Technology
  - Market Position
  - Competitive Cost Structure
- Diversified Business Plan
- Proven Ability to Grow Profitably
- Successful Integration of Acquisitions
- Future Outlook



## Safe Harbor Statement

Forward-looking statements in this document are made pursuant to the Safe Harbor provisions of the Private Securities Litigation Reform Act of 1995. Such forward-looking statements are subject to certain risks and uncertainties that could cause actual results to differ materially from those expressed or implied. Readers are cautioned not to place undue reliance on these forward-looking statements, which speak only as of the date hereof. Such risks and uncertainties include, but are not limited to: unanticipated environmental remediation expenses or claims; a reduction in anticipated orders; an economic downturn; changes in the need for additional machinery and equipment and/or in the cost for the expansion of the Corporation's operations; changes in the competitive marketplace and/or customer requirements; an inability to perform customer contracts at anticipated cost levels; and other factors that generally affect the business of aerospace, marine, and industrial companies. Please refer to the Company's SEC filings under the Securities and Exchange Act of 1934, as amended, for further information.



**CURTISS  
WRIGHT**

**Thank you**

**For more information,  
visit: [www.curtisswright.com](http://www.curtisswright.com)**



## **DEFENSE MARKET**

### **Flow Control: NAVY & ARMY**

Curtiss-Wright is the preferred provider of extremely sophisticated valves, pumps and electronic control systems for the nuclear navy. Curtiss-Wright also supplies a variety of components and systems for the non-nuclear navy.

Regarding **submarines**, in 2004 Congress approved the **multiyear procurement** for the next 5 Virginia class submarines. Curtiss-Wright has approximately \$60 million of installed base per submarine.

Curtiss-Wright is also in the second year of a 5-year procurement for the construction of the next **aircraft carrier (CVN-21)**. Curtiss-Wright has approximately \$180 million installed base on an aircraft carrier.

In addition, Curtiss-Wright received a \$62 million contract for the **retrofit of the jet fuel pumping systems for the entire aircraft carrier fleet** using our smart leakless valve technology. Curtiss-Wright is the only company with this smart leakless valve technology. Curtiss-Wright expects this retrofit program to begin in 2005 and continue on over the next couple of years.

In 2004, Curtiss-Wright received a \$30 million contract for the design, development, build and test of the power supply for the Army's **Electromagnetic Gun** program, which is envisioned to be part of the "weapons systems of the future." The EM gun will be able to fire a projectile at a speed similar to a missile without the use of explosives. Beyond the initial developmental stage, this technology could present significant future opportunities. Curtiss-Wright is currently working on studies with the Navy and Marines on development programs for this technology.

In 2005, Curtiss-Wright was awarded an \$11.5 million development contract for the Navy's Advanced Arresting Gear Program. The **AAG system** is an electronic system that will replace the current hydraulic used to capture aircraft landing on the deck. The system will be retrofit onto existing carriers as well as the next-generation carriers. Curtiss-Wright is also participating in development of EMALS -- electromechanical advanced launching system. Both of these systems are generating development revenues in 2005, and should produce lucrative production contracts in the future.

### **Motion Control: AEROSPACE**

In our Motion Control segment, Curtiss-Wright is a leader in the design and manufacture of highly engineered actuation and electronic control components and systems for military aircraft. Curtiss-Wright also provides the actuation, sensor, guidance and embedded computer systems for unmanned aircraft, such as the Global Hawk and UCAV programs.

**F-22 Raptor** – Curtiss-Wright has approximately \$900K content per aircraft. Curtiss-Wright provides the Weapons Bay Door, Side Bay Door, and Leading Edge Flap actuation systems as well as sensors and embedded computers.

**Global Hawk** – Our content is approximately \$600K per aircraft. Curtiss-Wright provides the main flight control computer system, guidance system, sensor package and embedded computers for this aircraft.

**JSF F-35** – Curtiss-Wright provides approximately \$250K of content per aircraft which includes actuators, embedded computers and sensors.

**V-22 Osprey** – Curtiss-Wright has approximately \$170K per aircraft where we supply the cockpit control, actuators and electric flight controls.

**Motion Control: LAND BASED DEFENSE**

For land-based military vehicles and tanks, Curtiss-Wright provides fully digital aiming and stabilization systems, embedded computer systems sensors and updated electronics.

Between new production in Europe and Asia, major retrofit and upgrade programs in the US, and the advent of the Future Combat System, Curtiss-Wright sees this as a growth area over the next couple of years. Curtiss-Wright believes a substantial part of this growth will come from electronics, more specifically embedded computer systems, where it has significant content on many platforms.

Y:\Defense Market Supplemental inf

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**End of Filing**

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