
**UNITED STATES
SECURITIES AND EXCHANGE COMMISSION**

Washington, D.C. 20549

FORM 6-K

**REPORT OF FOREIGN ISSUER
PURSUANT TO RULE 13a-16 OR 15d-16 OF THE
SECURITIES EXCHANGE ACT OF 1934**

For the month of February 2010

TAT TECHNOLOGIES LTD.
(Translation of registrant's name into English)

P.O.BOX 80, Gedera 70750 Israel
(Address of registrant's principal executive office)

Indicate by check mark whether the registrant files or will file annual reports under cover Form 20-F or Form 40-F.

Form 20-F ☒

Form 40-F ☐

Indicate by check mark if the registrant is submitting the Form 6-K in paper as permitted by Regulation S-T Rule 101 (b) (1): ☐

Indicate by check mark if the registrant is submitting the Form 6-K in paper as permitted by Regulation S-T Rule 101 (b) (7): ☐

Indicate by check mark whether the registrant by furnishing the information contained in this Form is also thereby furnishing the information to the Commission pursuant to Rule 12g3-2(b) under the Securities Exchange Act of 1934.

Yes ☐

No ☒

If "Yes" is marked, indicate below the file number assigned to the registrant in connection with Rule 12g3-2(b): 82- _____

TAT Technologies Ltd.

6-K Items

1. Attached to this 6K is the presentation which will be presented today, February 10, 2010 in the Cowen and Company's 31st Annual Aerospace & Defense Conference at the InterContinental, The Barclay in New York (111 East 48th St) New York City. The presentation will be available at: www.tat.co.il/press.asp
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SIGNATURES

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

TAT TECHNOLOGIES LTD.
(Registrant)

By: /s/ Yaron Shalem

Yaron Shalem
Chief Financial Officer

Date: February 10, 2010



Cowen and Company's 31st Annual Aerospace & Defense Conference

Investor Presentation

Feb. 2010



Forward Looking Statements

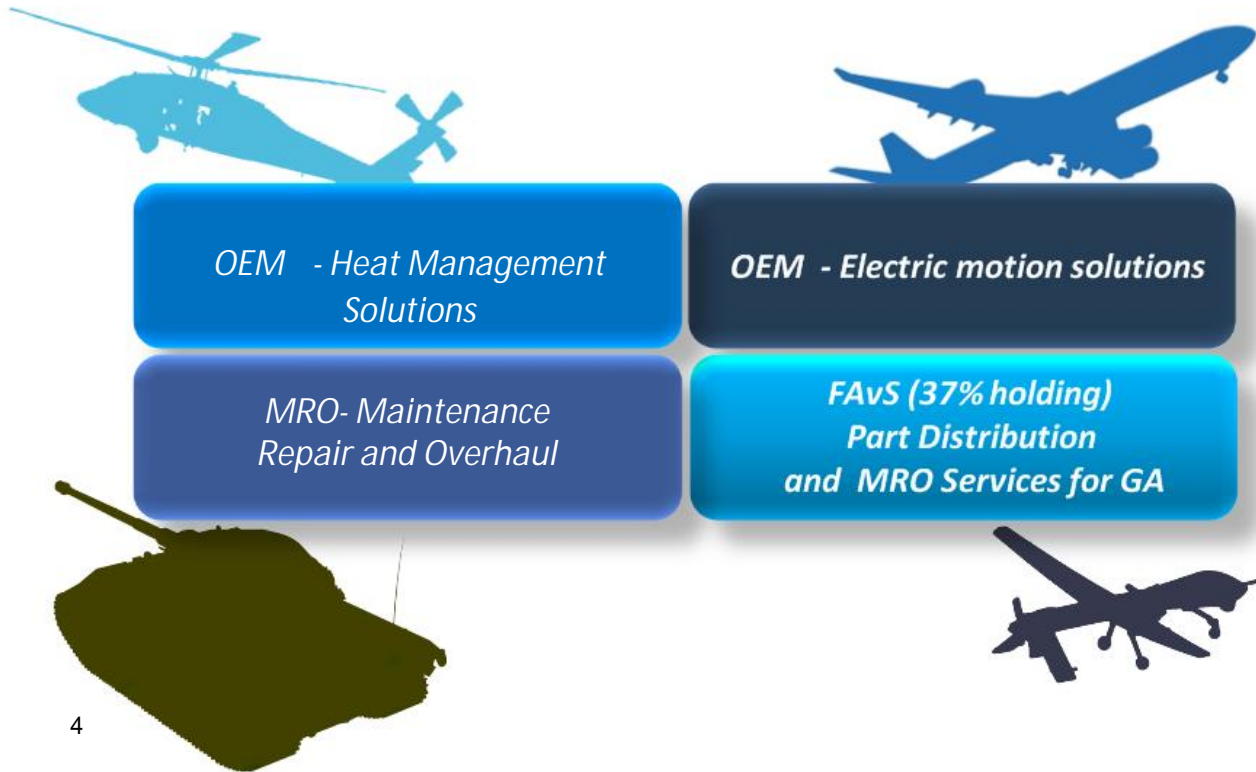
This presentation may contain certain forward-looking statements within the meaning of the “safe harbor” provisions of the Private Securities Litigation Reform Act of 1995. Generally, the words “expects,” “anticipates,” “targets,” “goals,” “projects,” “intends,” “plans,” “believes,” “seeks,” “estimates,” variations of such words and similar expressions identify forward-looking statements and any statements regarding TAT’s future financial condition, results of operations and business are also forward-looking statements. These forward-looking statements involve certain risks and uncertainties. Factors that could cause actual results to differ materially from those contemplated by the forward-looking statements include, among others, the following factors: continued compliance with government regulations; competition in the industry in which TAT does business; TAT’s business strategy and plans; exchange rate fluctuations; general economic conditions; and political, economic and military conditions in Israel. Any forward-looking statements in this presentation are not guarantees of future performance, and actual results, developments and business decisions may differ from those contemplated by those forward-looking statements, possibly materially. Except as otherwise required by applicable law, TAT disclaims any duty to update any forward-looking statements.

Additional discussions of risks and uncertainties that may affect the accuracy of forward-looking statements included in this presentation or which may otherwise affect TAT’s business is included under the heading “RISK FACTORS” in TAT’s filings on Forms 20-F and 6-K, which are filed from time to time.



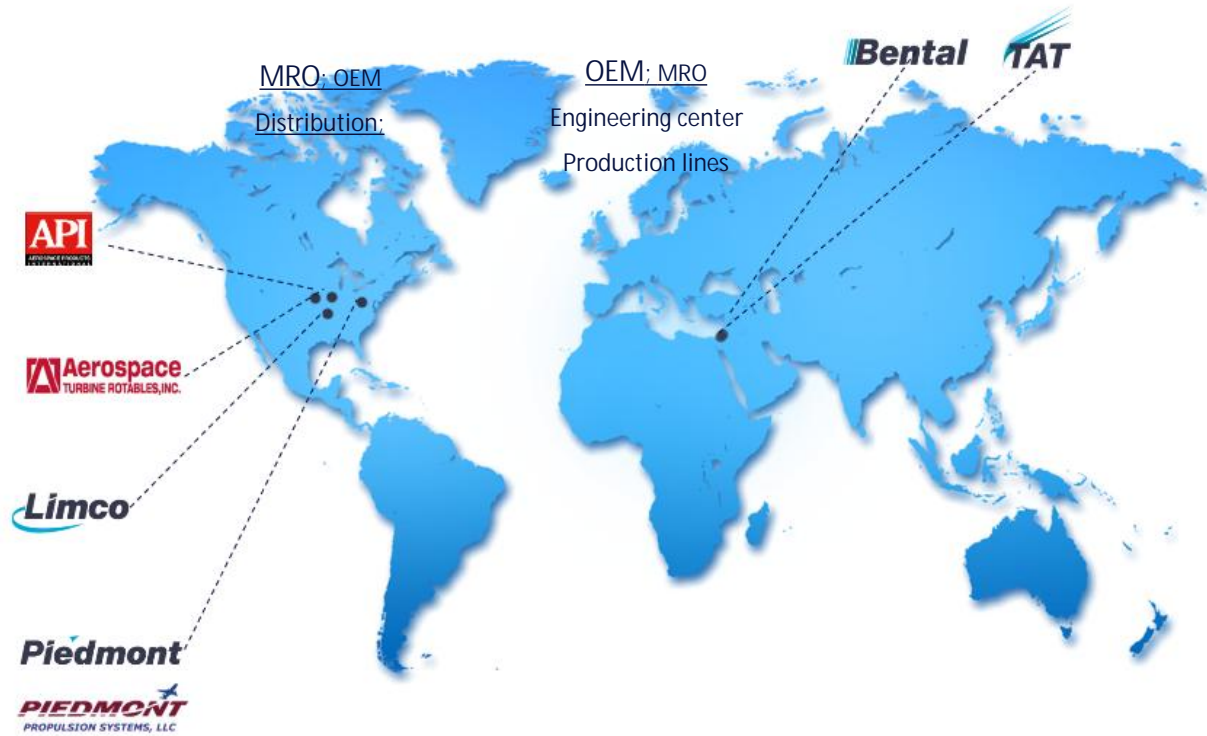
Company Profile

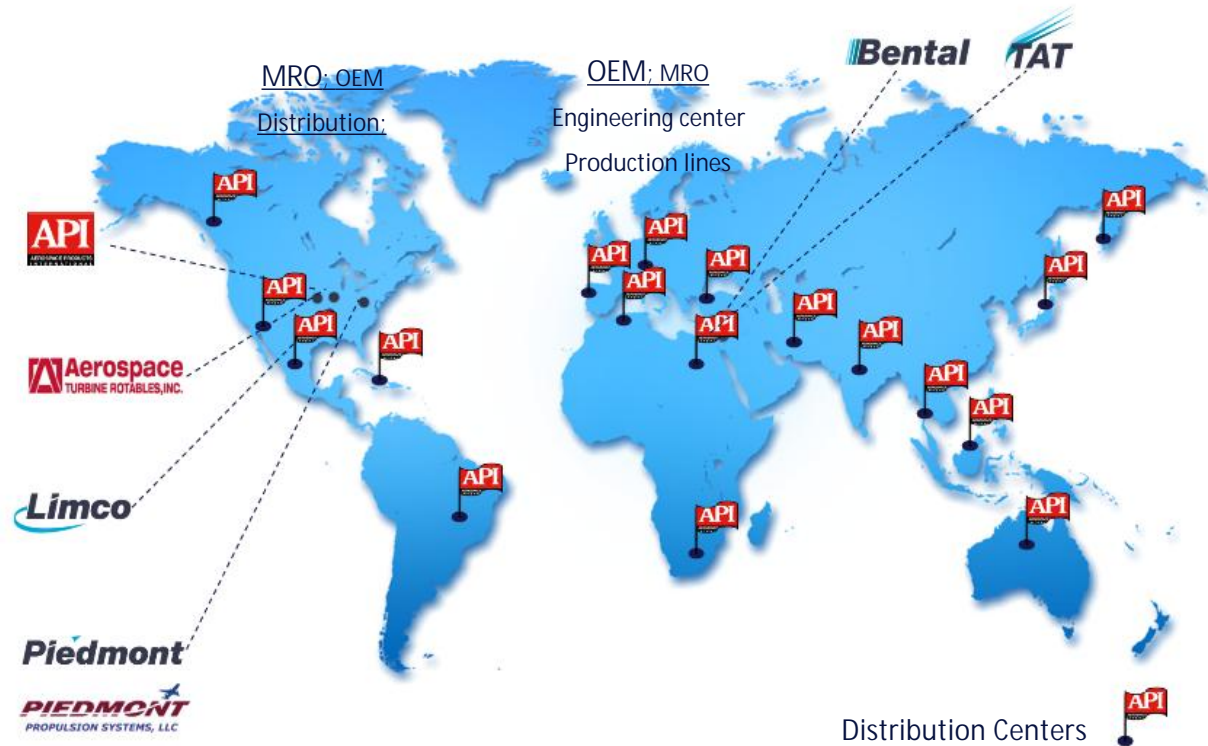






TAT Group - Global Presence



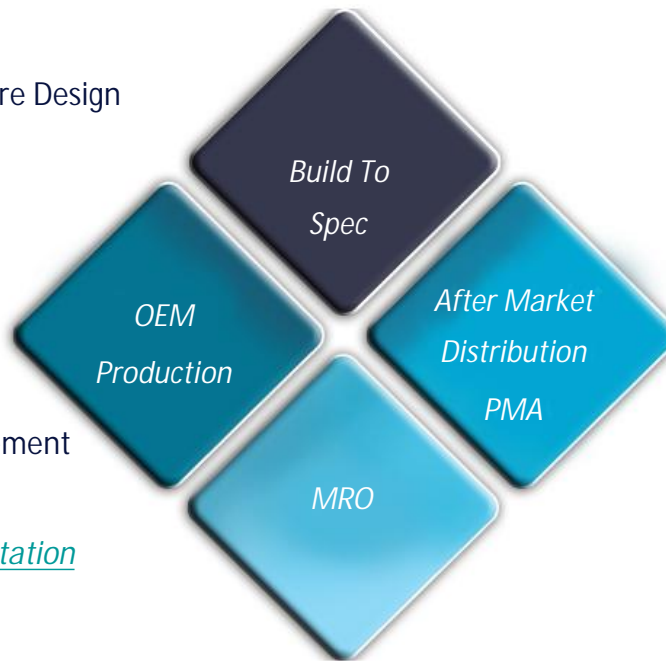


Capabilities

- Build to Spec
- System Architecture Design
- Thermal analysis
- Electrical Control Systems Design
- Structural design
- In house DER
- One Stop Shop
- PMA
- Distribution
- Inventory management

Authorized Repair Station

- Honeywell
- Hamilton
- Hartzel



Certifications

- AS 9100
- ISO 9001
- Boeing Preferred Supplier
- Lockheed Martin-Rating 100%
- FAA Certificate
- EASA Certificate



Airborne Systems

OEM Commercial & Defense

*Heat Management
Solutions*

Heat Exchangers

Cooling Systems

Vapor Cycle Cooling Systems

*Flow Control
Accessories*

Check, Shut Off, Float Valves

Fuel Pumps

Solenoid Valves

Motion Systems

Electrical Motor Applications

UAV Propulsion Motors

Stabilized Payload Systems

MRO Commercial & Defense

Heat Exchangers

Landing Gears

APUs

Propellers

Ducting

Part Distribution

Supply Chain Management

Land Systems

OEM Defense

Electrical Motor Applications

Heat Exchangers

Air Conditioning Systems







Defense



MRO Heat Exchanger



MRO Accessories



Commercial



MRO APU

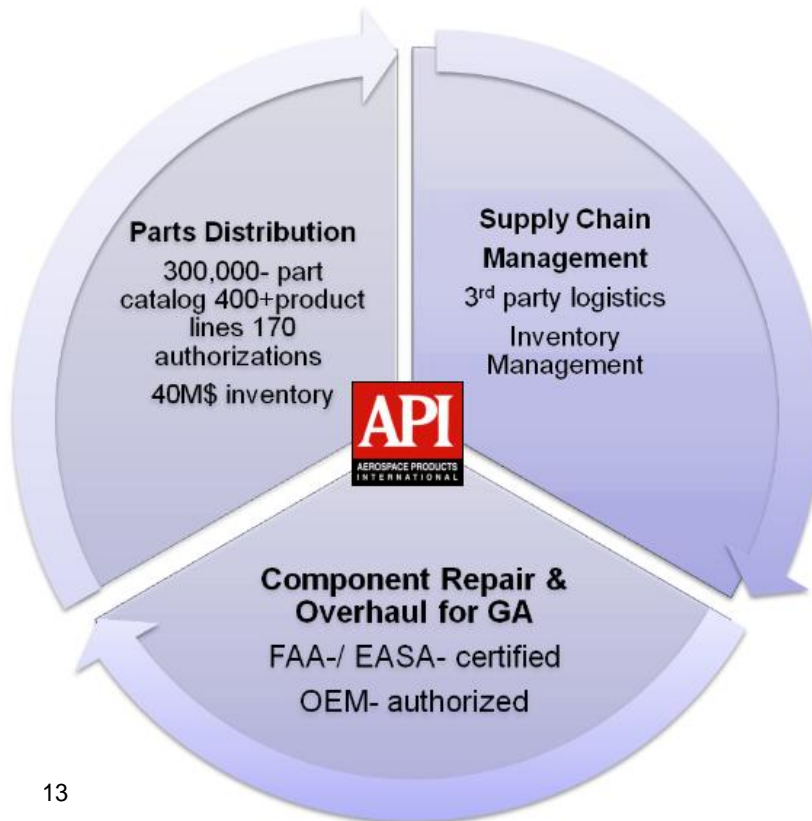


MRO Landing Gears



MRO Heat Exchanger





Transaction Highlights:

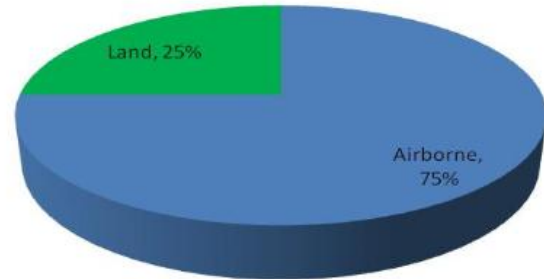
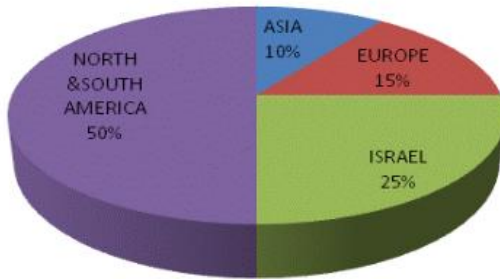
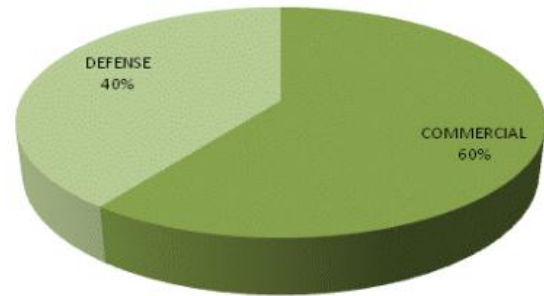
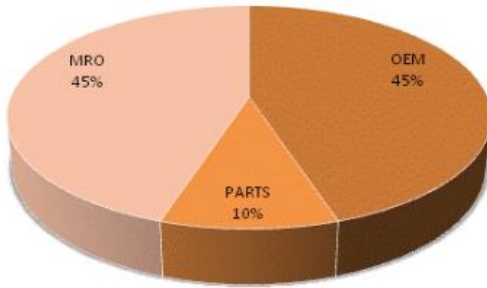
- Piedmont contributed Propellers and Parts businesses
- Provides \$7M' guarantee for Kelly acquisition by FAvS
- Received 37% holding at FAvS + \$750K of preferred shares

Transaction Benefits:

- Strong presence in the General Aviation market
- Strong One-Stop-Shop for MRO services
- Extended global marketing channels

Balanced operation - by Geography; by Industry

(Break down of FY 2008 revenues - 103M\$)



OEM



Air Lines



Service centers



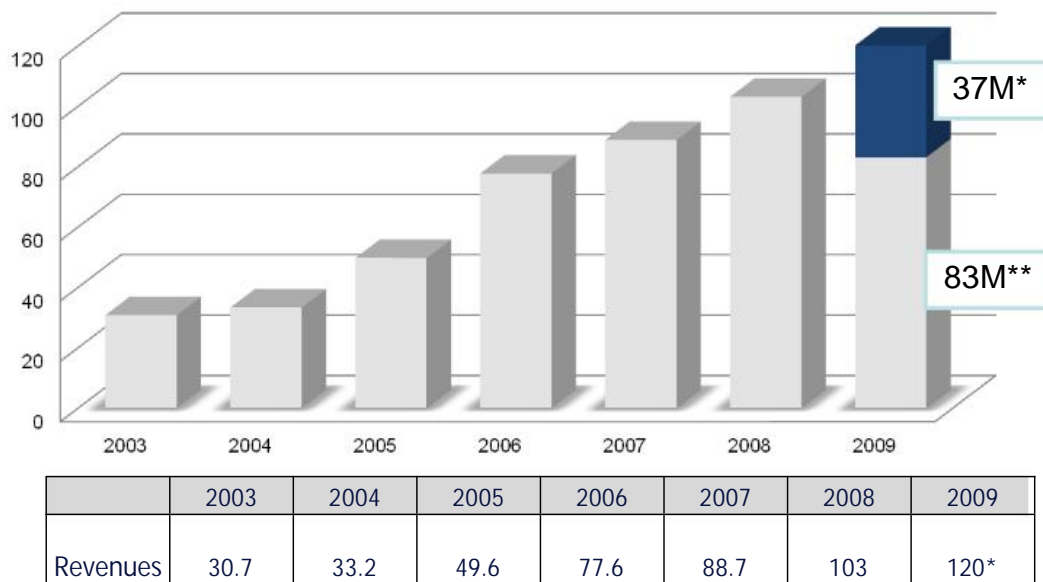
Air Forces



Recent M&A's and Reorganization

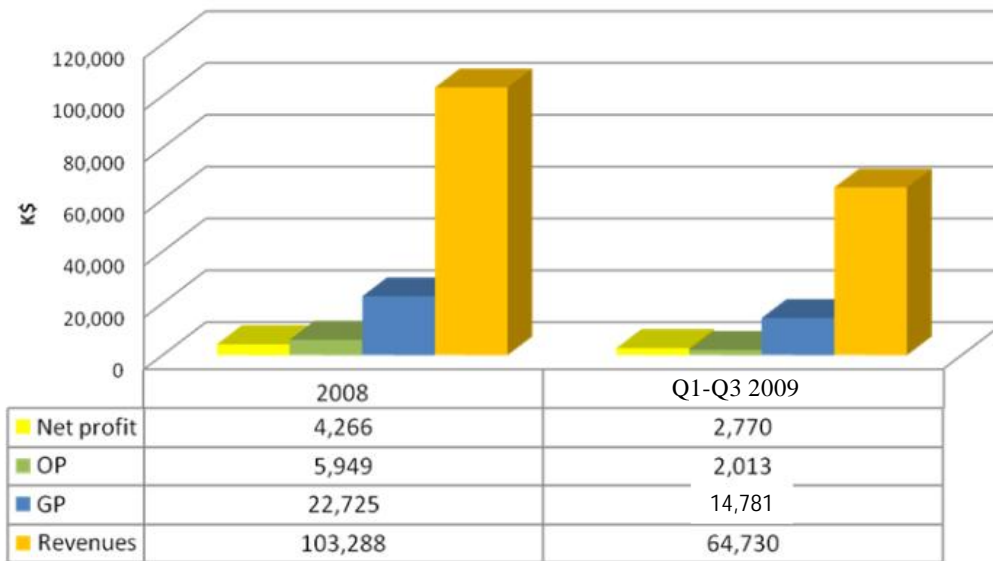
	<u>Bental Industries</u>	<u>Limco-Piedmont</u>	<u>First Aviation Services</u>
Field	Electric Motion Systems	MRO	Parts Distribution & MRO
Date	May 2008	July 2009	December 2009
Holdings	70%	Going Private from 62% to 100%	37% + \$750K preferred shares
Contribution	<ul style="list-style-type: none"> ❖ Extending product offering ❖ Strengthening Defense base 	<ul style="list-style-type: none"> ❖ Saving OPEX ❖ Increasing synergy 	<ul style="list-style-type: none"> ❖ Extending global marketing channels ❖ Strengthening MRO services and general aviation presence
<u>Reorganization</u>			
Revenues \$ (2008)	32M	72M	120M
<ul style="list-style-type: none"> ✓ Management Change ✓ Strengthening Honeywell Relations 		<ul style="list-style-type: none"> ✓ Building Marketing Team ✓ Lean Manufacturing Processes 	

Financial Highlights



- Including 37% of FAvS' pro-forma revenues (unaudited)

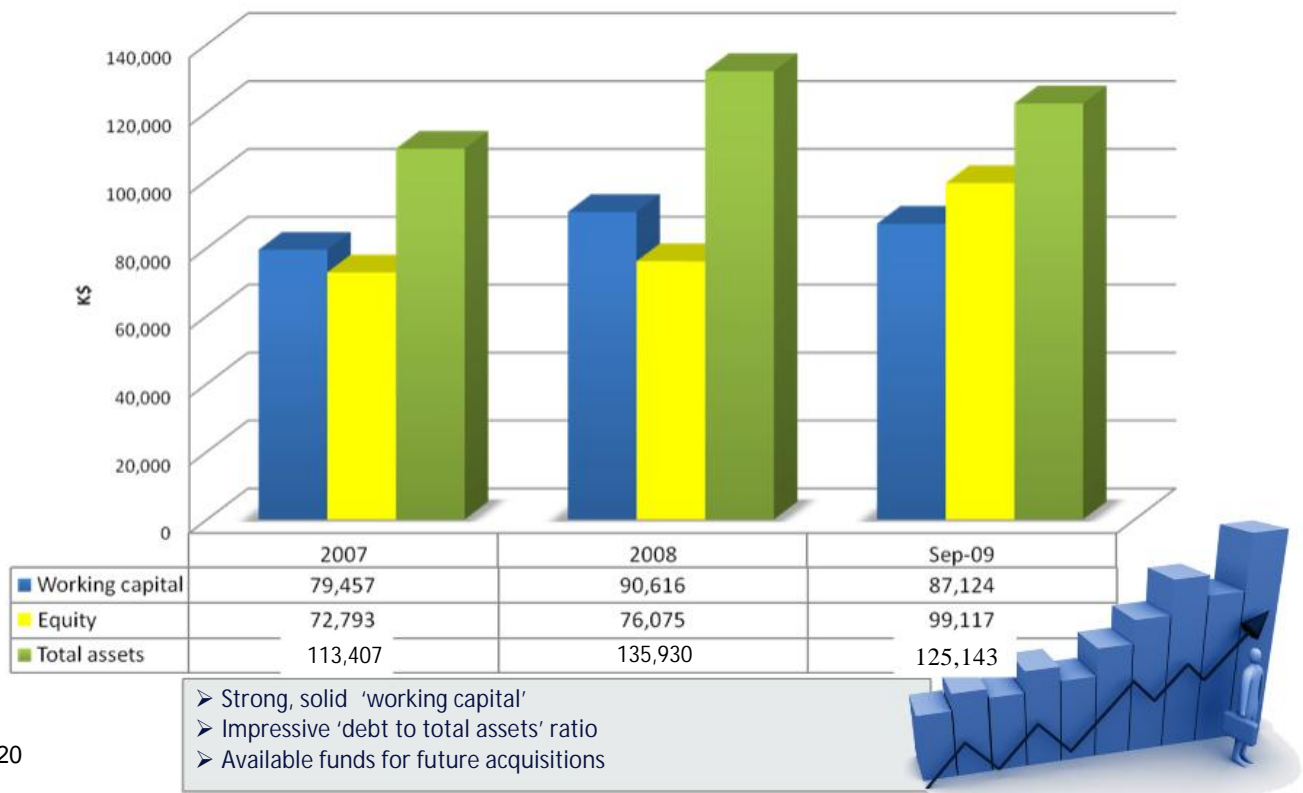
** Unaudited results



FY 2009 - Restructuring Year

- Management change
- Strengthening business relations with Honeywell
- Limco merger with TAT
- FAvS acquisition - disposition of Prop and Parts businesses
- Expanding our marketing team
- Lean manufacturing processes



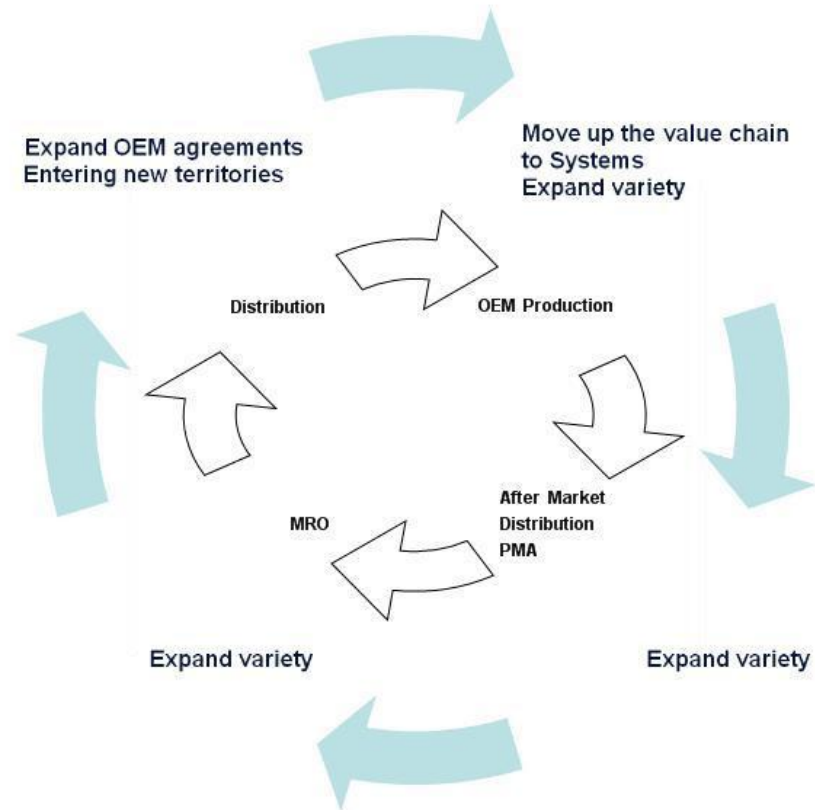


Opportunities/Growth:

- Outsourced share of component MRO will increase to 85% up from 52% IN 2007
- MRO spending will increase at a 3.1% CAGR to exceed \$60 bn by 2017
- Increased demand for integrated support ("One stop shop") creates consolidation and JV opportunities
- DOD and related defense budgets are expected to continue a steady increase

Challenges:

- Over 500 a/c (classic fleets) retired and 2010 forecasts reflect continuing trend
- MRO market is not expected to reach 2008 levels until 2011





Thank you.



*When it comes to Heat Transfer,
nothing is too **hot** for us.*