



# Mississippi State University Economic Development Engagement Mission

- To grow the Science, Mathematics, Engineering, and Technology research programs to help retain, recruit, and create high wage jobs in Mississippi.



# Mississippi State University Engagement in Industrial Recruitment 2000-2008

- Total Number of Projects: 11
  - Nissan
  - American Eurocopter
  - PACCAR
  - General Electric- Aviation,
  - Aurora Flight Sciences
  - Stark Aerospace
- Total Capital Investment: \$2,059,000,000
- Estimated Number of Jobs: 7,203 jobs



# Mississippi State University Patents and Spin-Off Companies 2000-2008

- Total Number of Disclosures: 414
- Total Number of Patents: 64
- Total Number of Spin-off Companies: 22



## Overview of Selected Spin-off Companies

- Camgien specializes in the development of low powerd, unattended sensors for the military.
- Dynemotion is using discoveries associated with the Challenge X car to transform gasoline fleets into hybrids at cost saving prices.
- Termisys, Inc. is taking advantage of their research to commercialize chemical-free termite detection, monitoring, and eradication system.
- Researchers in the College of Veterinary Medicine have identified biomarkers that signal the presence of diseases including certain cancers.
- MatrixMotion is perfecting new sensor technologies to aid golf instructions.

**Table 1. Mississippi State University Engagement in Industrial Recruitment 2000-2008:  
Capital Investments and High Wage Jobs**

<b>Year Recruited</b>	<b>Company</b>	<b>Investment</b>	<b># Jobs</b>	<b>Pay Rates</b>	<b>Product</b>
2000	Nissan	\$1,400,000,000	5,000	NA	Cars, Trucks, and SUVs
2001	Service Zone/Sitel		900	\$8-\$12/Hr	In-Bound Tech Support
2003	American Eurocopter	\$14,000,000	125	\$18-\$20/Hr	Helicopters
2004	American Eurocopter Expansion				
2006	Clear Orbit	NA	11	\$45,000/Yr	Application Software
2006	International Truck/Navistar	TBD	200	NA	Armored Vehicles
2006	Aurora Flight Sciences Aurora Expansion	\$25,000,000	300	\$17-\$40/Hr	Unmanned Aircrafts (UAVs)
2007	Harbinger/ACIOM**	NA	10	NA	Software Engineering
2007	PACCAR	\$500,000,000	500*	40K/Yr	Power Trains for Heavy Trucks
2008	Stark Aerospace	\$30,000,000	100	50K/Yr	World Class Aerospace Company Part of IAI
2008	GE Aviation	\$90,000,000	50	NA	Composite Engine Components
2008	Ultralife Batteries	NA	7	NA	Batteries/Fuel Cells
<b>Grand Total Since 2000</b>		<b>\$2,059,000,000</b>	<b>7,203</b>		

\* Projected number of employees when fully operational.

\*\* Downsized in late 2008 and has only two employees as of January 5, 2009.

Sources: Columbus-Lowndes Link, Greater Starkville Development Partnership, West Point Growth Alliance, Clarion Ledger, Clear Orbit

**Table 2. Mississippi State University Patents and Spin-Off Companies 2000-2008**

	FY00	FY01	FY02	FY03	FY04	FY05	FY06	FY07	FY08	TOTAL
MSU Start-Up Companies	0	3	2	1	3	4	2	3	4	22
Disclosures	11	22	32	39	50	62	67	80	56	419
Provisional Applications	5	9	12	15	13	22	15	15	21	127
Patent Applications	7	9	10	13	7	8	16	8	7	85
<i>Total Applications</i>	<i>12</i>	<i>18</i>	<i>22</i>	<i>28</i>	<i>20</i>	<i>30</i>	<i>31</i>	<i>23</i>	<i>28</i>	<i>212</i>
Patents Issued	6	7	9	7	4	9	11	4	7	64
Licenses/Options	2	7	6	7	9	10	12	10	1	64
Licenses/Options Yielding Income	8	16	10	14	11	14	16	18	22	N/A
Licenses with Running Royalties	5	4	7	5	8	9	9	12	13	N/A
Royalty Income (\$k)	180	272	324	375	306	467	478	414	428	\$3,244
MSU Expenditures (\$M) (as reported to NSF)	133	147	159	166	191	180	190	206		N/A