



## Business Industrial Network

We give you a medium in which to get equipment information, when you need it most...  
when you're down!

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### Downtime Cost

Reports from online equipment downtime survey

[BIN95.com/Survey/Survey.asp](http://BIN95.com/Survey/Survey.asp)

Industry	Num-Employees	Annual Downtime	TM per Month	Annual Cost Lost Production
<b>Automotive</b>				
	100	Samples of data in database records.		
		Summary for 'Number of Employees' = 100 (1 detail record)		
		<b>Avg</b> 480 Hours	\$1,000.00	\$500,000.00
	200	Summary for 'Number of Employees' = 200 (2 detail records)		
		<b>Avg</b> 1000 Hours	\$30,000.00	\$25,050,000.00
	300	Summary for 'Number of Employees' = 300 (1 detail record)		
		<b>Avg</b> 240 Hours	\$10,000.00	\$10,000.00
	500	Summary for 'Number of Employees' = 500 (1 detail record)		
		<b>Avg</b> 480 Hours	\$4,000.00	\$100,000.00
Summary for 'Industry' = Automotive (5 detail records)				
		<b>Avg</b> 640 Hours	\$15,000.00	\$10,142,000.00

Wednesday, September 19, 2001

Page 1 of 9

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# Downtime Cost

Reports from online equipment downtime survey  
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<i>Industry</i>	<i>Num-Employees</i>	<i>Annual Downtime</i>	<i>TM per Month</i>	<i>Annual Cost Lost Production</i>
<b>Food, beverages, tobacco</b>				
	50			Samples of data in database records.
		Summary for 'Number of Employees' = 50 (2 detail records)		
		<b>Avg</b>	120 Hours	\$500.00
				\$50,000.00
	100			
		Summary for 'Number of Employees' = 100 (1 detail record)		
		<b>Avg</b>	1000 Hours	\$50,000.00
				\$500,000.00
	200			
		Summary for 'Number of Employees' = 200 (4 detail records)		
		<b>Avg</b>	500 Hours	\$16,000.00
				\$250,000.00
		Summary for 'Industry' = Food, beverages, tobacco (7 detail records)		
		<b>Avg</b>	<b>463 Hours</b>	<b>\$16,428.57</b>
				<b>\$228,571.43</b>

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<i>Industry</i>	<i>Num-Employees</i>	<i>Annual Downtime</i>	<i>TM per Month</i>	<i>Annual Cost Lost Production</i>
<b>Injection molding/ Extrusion</b>				
	30			Samples of data in database records.
		Summary for 'Number of Employees' = 30 (3 detail records)		
		<b>Avg</b>	120 Hours	\$2,666.67
				\$66,666.67
	300			
		Summary for 'Number of Employees' = 300 (1 detail record)		
		<b>Avg</b>	240 Hours	\$20,000.00
				\$500,000.00
	1000			
		Summary for 'Number of Employees' = 1000 (1 detail record)		
		<b>Avg</b>	120 Hours	\$10,000.00
				\$50,000,000.00
Summary for 'Industry' = Injection molding/ Extrusion (5 detail records)				
		<b>Avg</b>	144 Hours	\$7,600.00
				\$10,140,000.00

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<i>Industry</i>	<i>Num-Employees</i>	<i>Annual Downtime</i>	<i>TM per Month</i>	<i>Annual Cost Lost Production</i>	
<b>Machinery and equipment</b>					
	30			Samples of data in database records.	
		Summary for 'Number of Employees' = 30 (3 detail records)			
		<b>Avg</b>	853 Hours	\$27,000.00	\$173,333.33
	50				
		Summary for 'Number of Employees' = 50 (1 detail record)			
		<b>Avg</b>	120 Hours	\$20,000.00	\$100,000.00
	200				
		Summary for 'Number of Employees' = 200 (1 detail record)			
		<b>Avg</b>	0 Hours	\$4,000.00	\$10,000.00
	1000				
		Summary for 'Number of Employees' = 1000 (4 detail records)			
		<b>Avg</b>	120 Hours	\$29,500.00	\$37,625,000.00
Summary for 'Industry' = Machinery and equipment (9 detail records)					
		<b>Avg</b>	<b>351 Hours</b>	<b>\$24,777.78</b>	<b>\$16,792,222.22</b>

Wednesday, September 19, 2001

Page 4 of 9

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<i>Industry</i>	<i>Num-Employees</i>	<i>Annual Downtime</i>	<i>TM per Month</i>	<i>Annual Cost Lost Production</i>
<b>Metal products</b>				
	50			Samples of data in database records.
		Summary for 'Number of Employees' = 50 (1 detail record)		
		<b>Avg</b>	120 Hours	\$4,000.00
				\$10,000.00
	150			
		Summary for 'Number of Employees' = 150 (1 detail record)		
		<b>Avg</b>	1680 Hours	\$60,000.00
				\$500,000.00
	200			
		Summary for 'Number of Employees' = 200 (4 detail records)		
		<b>Avg</b>	560 Hours	\$18,500.00
				\$12,550,000.00
Summary for 'Industry' = Metal products (6 detail records)				
		<b>Avg</b>	<b>673 Hours</b>	<b>\$23,000.00</b>
				<b>\$8,451,666.67</b>

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# Downtime Cost

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Industry	Num-Employees	Annual Downtime	TM per Month	Annual Cost Lost Production
<b>Other</b>				Samples of data in database records.
	0			
		Summary for 'Number of Employees' = 0 (1 detail record)		
		<b>Avg</b>	120 Hours	\$20,000.00 \$10,000.00
	30			
		Summary for 'Number of Employees' = 30 (4 detail records)		
		<b>Avg</b>	210 Hours	\$8,750.00 \$255,000.00
	50			
		Summary for 'Number of Employees' = 50 (1 detail record)		
		<b>Avg</b>	1000 Hours	\$30,000.00 \$0.00
	100			
		Summary for 'Number of Employees' = 100 (4 detail records)		
		<b>Avg</b>	360 Hours	\$20,000.00 \$300,000.00
	200			
		Summary for 'Number of Employees' = 200 (17 detail records)		
		<b>Avg</b>	562 Hours	\$20,058.82 \$12,018,235.29
	300			
		Summary for 'Number of Employees' = 300 (1 detail record)		
		<b>Avg</b>	0 Hours	\$0.00 \$0.00
	400			
		Summary for 'Number of Employees' = 400 (1 detail record)		
		<b>Avg</b>	1200 Hours	\$130,000.00 \$1,000,000.00
	1200			
		Summary for 'Number of Employees' = 1200 (1 detail record)		
		<b>Avg</b>	120 Hours	\$1,000.00 \$10,000.00
Summary for 'Industry' = Other (30 detail records)				
<b>Avg</b>		<b>476 Hours</b>	<b>\$21,233.33</b>	<b>\$6,918,333.33</b>

Wednesday, September 19, 2001

Page 6 of 9

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# Downtime Cost

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Industry	Num-Employees	Annual Downtime	TM per Month	Annual Cost Lost Production
<b>Paper</b>				Samples of data in database records.
	30			
		Summary for 'Number of Employees' = 30 (1 detail record)		
		<b>Avg</b>	120 Hours	\$0.00
				\$10,000.00
	50			
		Summary for 'Number of Employees' = 50 (1 detail record)		
		<b>Avg</b>	120 Hours	\$0.00
				\$10,000.00
	150			
		Summary for 'Number of Employees' = 150 (1 detail record)		
		<b>Avg</b>	0 Hours	\$0.00
				\$0.00
	200			
		Summary for 'Number of Employees' = 200 (1 detail record)		
		<b>Avg</b>	1000 Hours	\$0.00
				\$0.00
	Summary for 'Industry' = Paper (4 detail records)			
	<b>Avg</b>	<b>310 Hours</b>	<b>\$0.00</b>	<b>\$5,000.00</b>

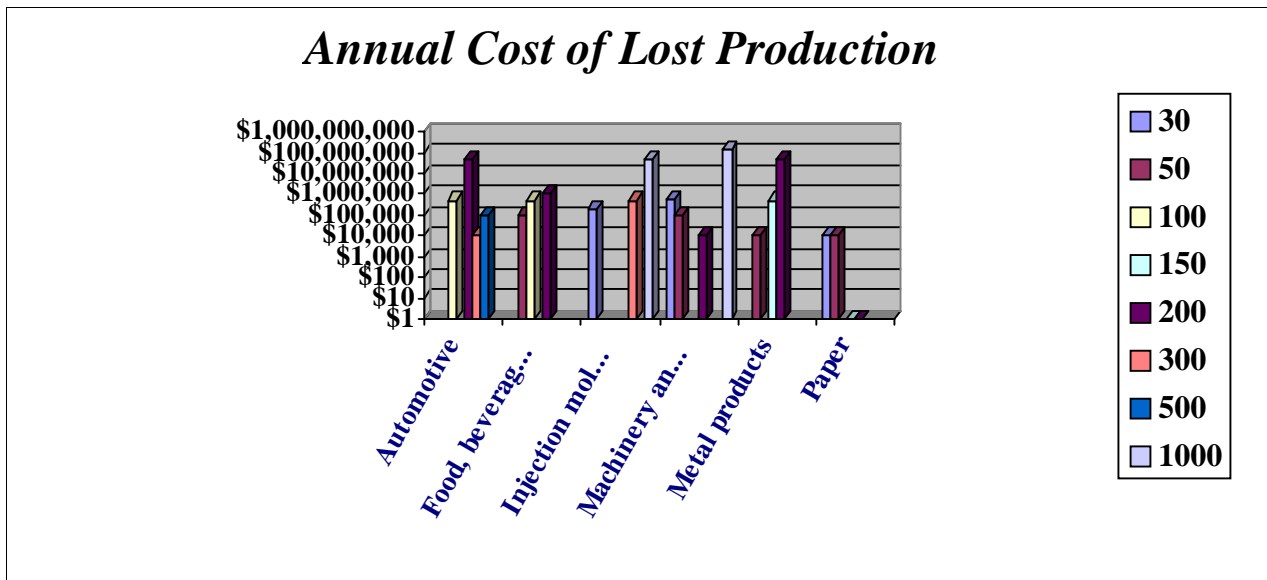
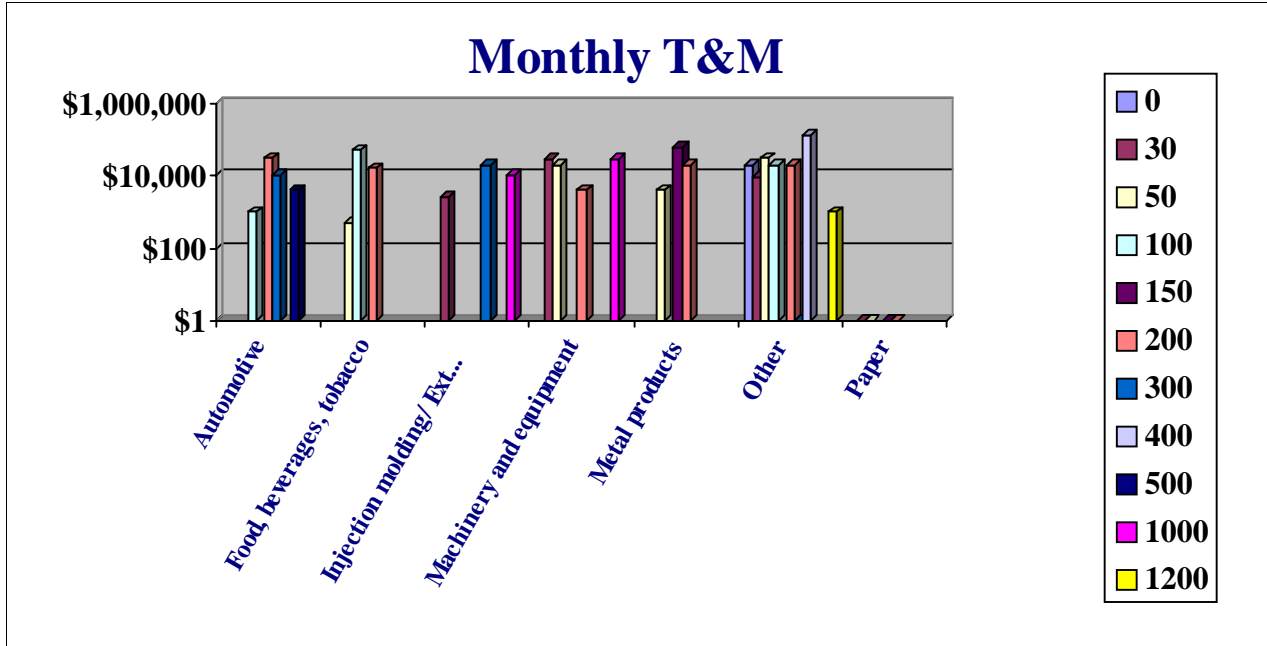
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# Downtime Cost

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Industry	Num-Employees	Annual Downtime	TM per Month	Annual Cost Lost Production
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# ***Downtime Cost***

*Reports from online equipment downtime survey*  
**BIN95.com/Survey/Survey.asp**

<b><i>Industry</i></b>	<b><i>Num-Employees</i></b>	<b><i>Annual Downtime</i></b>	<b><i>TM per Month</i></b>	<b><i>Annual Cost Lost Production</i></b>
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***Wednesday, September 19, 2001***

***Page 9 of 9***

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### PLC-Tech

Reports from online equipment downtime survey  
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Industry	Maint. Employees Total Employees	PLCbrands	Number of PLCs PLC Technicians
<i>Automotive</i>			
	10	Schneider	6
	100		6
	130	Allen-Bradley, Siemens, GE Fanuc, Modicon/Gould, Honeywell, SquareD	6
	200		6
	50	Telemechanique	6
	200		1
	100	Allen-Bradley	6
	300		6
	10	Omron	4
	500		6
<i>Summary for 'Industry' = Automotive (5 detail records)</i>			
<b>Avg</b>	<b>Trade Empl.:</b> 60	<b># of PLCs.:</b> 6	<b># of Techs</b> 5

Samples of data in database records.

Industry	Maint. Employees Total Employees	PLCbrands	Number of PLCs PLC Technicians
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Food, beverages, tobacco

Samples of data in database records.

		Allen-Bradley, GE Fanuc	4
50			2
		Siemens, Honeywell	0
50			1
15		Allen-Bradley	6
100			2
30		Allen-Bradley, Modicon/Gould	6
200			3
30		Allen-Bradley	6
200			2
30		Allen-Bradley	6
200			6
30		Allen-Bradley, Siemens, GE Fanuc	5
200			2

Summary for 'Industry' = Food, beverages, tobacco (7 detail records)

<b>Avg</b>	<b>Trade Empl.:</b> 27	<b># of PLCs.:</b> 5	<b># of Techs</b> 3
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Industry	Maint. Employees Total Employees	PLCbrands	Number of PLCs PLC Technicians
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*Injection molding/ Extrusion*

Samples of data in database records.

5	Allen-Bradley	1
30		2
5	Allen-Bradley	1
30		1
5	Allen-Bradley	1
30		1
30	Allen-Bradley, Modicon/Gould	6
300		6
100	Allen-Bradley, Siemens, Mitsubishi, Telemecanique, SquareD	5
1000		6

Summary for 'Industry' = Injection molding/ Extrusion (5 detail records)

<b>Avg</b>	<b>Trade Empl.:</b> 29	<b># of PLCs.:</b> 3	<b># of Techs</b> 3
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Industry	Maint. Employees Total Employees	PLCbrands	Number of PLCs PLC Technicians
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*Machinery and equipment*

Samples of data in database records.

5	Don't Know	6
30		4
5	Not Selected	4
30		1
5	Not Selected	6
30		2
5	Allen-Bradley	4
50		1
100	Allen-Bradley	0
200		2
50	Telemecanique, SquareD	6
1000		6
50	GE Fanuc	6
1000		6
50	Telemecanique, SquareD	6
1000		6
100	Allen-Bradley, Mitsubishi, Telemecanique, SquareD	6
1000		6

Summary for 'Industry' = Machinery and equipment (9 detail records)

<b>Avg</b>	<b>Trade Empl.:</b> 41	<b># of PLCs.:</b> 5	<b># of Techs</b> 4
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Industry	Maint. Employees Total Employees	PLCbrands	Number of PLCs PLC Technicians
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*Metal products*

Samples of data in database records.

5		SquareD	1
50			1
10		Allen-Bradley	5
150			2
130		Siemens, Mitsubishi	0
200			6
50		Allen-Bradley	6
200			6
30		Not Selected, Allen-Bradley, Omron, Siemens, Mitsubishi, Toshiba	6
200			6
5		Allen-Bradley, GE Fanuc, PLCDirect, Telemecanique, IDEC	6
200			1

Summary for 'Industry' = Metal products (6 detail records)

<b>Avg</b>	<b>Trade Empl.:</b> 38	<b># of PLCs.:</b> 4	<b># of Techs</b> 4
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Industry	Maint. Employees Total Employees	PLCbrands	Number of PLCs PLC Technicians
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Other

Samples of data in database records.

0	Not Selected	0
0		0
5	Not Selected	0
30		0
5	Schneider	6
30		1
30	Allen-Bradley	6
30		5
5	PLCDirect	1
30		4
30	Not Selected	0
50		2
5	Allen-Bradley	3
100		1
5	Not Selected	9
100		0
50	Allen-Bradley, GE Fanuc, PLCDirect	0
100		5
50	Allen-Bradley, Siemens	6
100		3
50	Allen-Bradley	6
200		5
50	Don't Know	0
200		4

Industry	Maint. Employees Total Employees	PLCbrands	Number of PLCs PLC Technicians
	50	Siemens	6
	200		6
	130	Allen-Bradley	0
	200		6
	130	Allen-Bradley	6
	200		5
	30	Omron	6
	200		2
	50	Modicon/Gould	6
	200		6
	50	Don't Know	6
	200		6
	130	Don't Know	6
	200		6
	50	Allen-Bradley	6
	200		6
	130	Not Selected	0
	200		0
	15	Allen-Bradley, Omron, Siemens, Mitsubishi, GE Fanuc, Modicon/Gould	6
	200		4
	130	Modicon/Gould	6
	200		6
	30	Allen-Bradley, Omron, GE Fanuc	5
	200		2



# PLC-Tech

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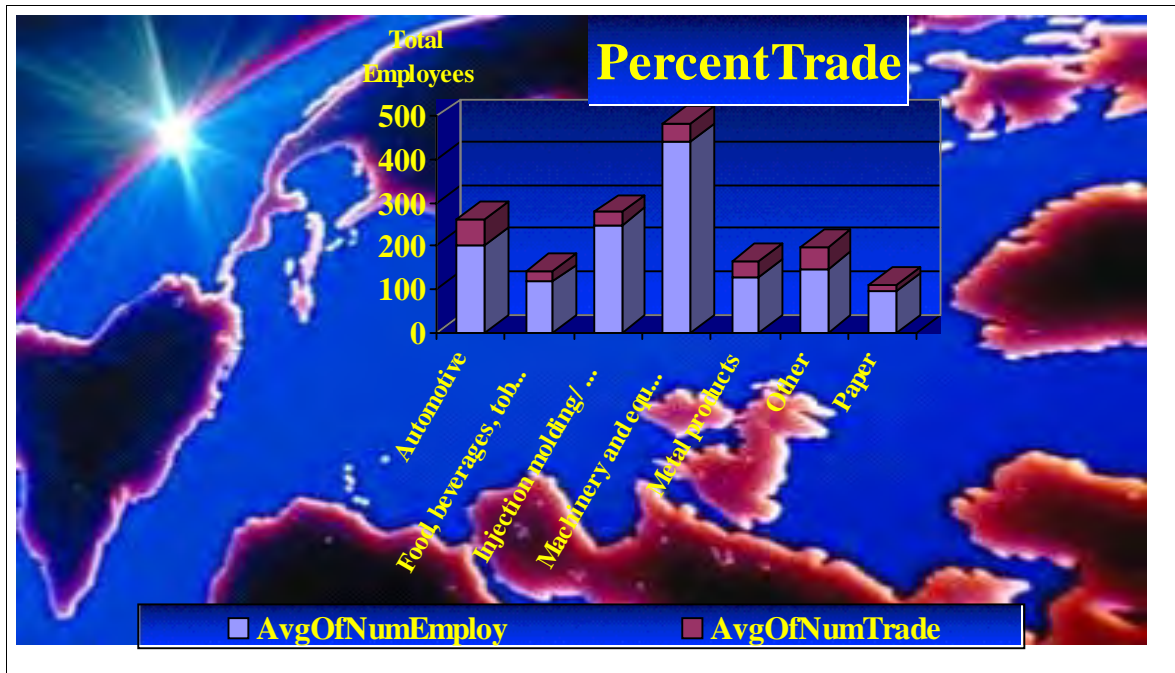
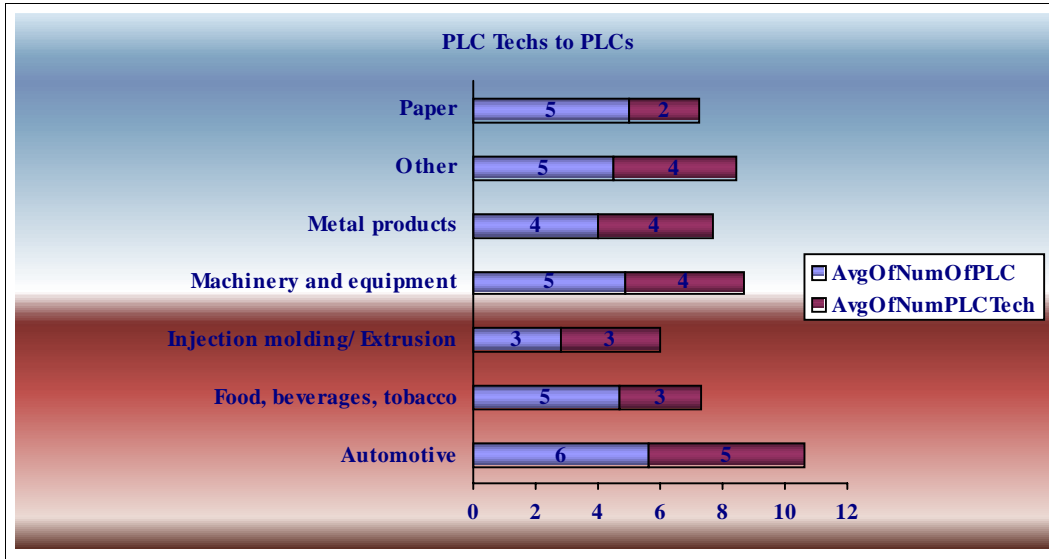
Industry	Maint. Employees Total Employees	PLCbrands	Number of PLCs PLC Technicians
	30	Allen-Bradley	6
	200		6
	50	Allen-Bradley	6
	200		4
	30	Allen-Bradley	6
	200		6
	50	Allen-Bradley	6
	300		6
	15	Allen-Bradley, Omron, Siemens, Telemecanique, Schneider	6
	400		6
	150	Allen-Bradley	9
	1200		6

Summary for 'Industry' = Other (30 detail records)

<b>Avg</b>	<b>Trade Empl.:</b> 51	<b># of PLCs.:</b> 4	<b># of Techs</b> 4
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Industry	Maint. Employees Total Employees	PLCbrands	Number of PLCs PLC Technicians
<i>Paper</i>		Samples of data in database records.	
	5	Siemens	6
	30		1
	5	Not Selected	2
	50		1
	10	Allen-Bradley	6
	150		3
	30	Allen-Bradley, Siemens, GE Fanuc, Cutler Hammer	6
	200		4
Summary for 'Industry' = Paper (4 detail records)			
<b>Avg</b>	<b>Trade Empl.:</b> 12	<b># of PLCs.:</b> 5	<b># of Techs</b> 2

Industry	Maint. Employees Total Employees	PLCbrands	Number of PLCs PLC Technicians
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### OEM Cost

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Industry	NumEmploy	Max OEM response time	OEM average cost Per Year
<b>Automotive</b>			Samples of data in database records.
	100		
		Record ID Number 680	20Hours
			\$10,000.00
		Summary for 'NumEmploy' = 100 (1 detail record)	
		<b>Avg</b>	20Hours
			\$10,000.00
		<b>Max</b>	20 Hours
	200		
		Record ID Number 440	10Hours
			\$500,000.00
		Record ID Number 140	10Hours
		Summary for 'NumEmploy' = 200 (2 detail records)	
		<b>Avg</b>	10Hours
			\$500,000.00
		<b>Max</b>	10 Hours
	300		
		Record ID Number 100	40Hours
			\$100,000.00
		Summary for 'NumEmploy' = 300 (1 detail record)	
		<b>Avg</b>	40Hours
			\$100,000.00
		<b>Max</b>	40 Hours
	500		
		Record ID Number 690	10Hours
			\$10,000.00
		Summary for 'NumEmploy' = 500 (1 detail record)	
		<b>Avg</b>	10Hours
			\$10,000.00
		<b>Max</b>	10 Hours

# ***OEM Cost***

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<b><i>Industry</i></b>	<b><i>NumEmploy</i></b>	<b><i>Max OEM response time</i></b>	<b><i>OEM average cost Per Year</i></b>
<i>Summary for 'Industry' = Automotive (5 detail records)</i>			
<b><i>Avg</i></b>		<i>18 Hours</i>	<i>\$155,000.00</i>
<b><i>Max</i></b>		<i>40 Hours</i>	

***Wednesday, September 19, 2001***

***Page 2 of 11***

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Industry	NumEmploy	Max OEM response time	OEM average cost Per Year
<b>Food, beverages, tobacco</b>			Samples of data in database records.
	50		
	Record ID Number 380	Hours	
	Record ID Number 540	50Hours	
	<i>Summary for 'NumEmploy' = 50 (2 detail records)</i>		
	<b>Avg</b>	50Hours	
	<b>Max</b>	50 Hours	
	100		
	Record ID Number 600	50Hours	\$100,000.00
	<i>Summary for 'NumEmploy' = 100 (1 detail record)</i>		
	<b>Avg</b>	50Hours	\$100,000.00
	<b>Max</b>	50 Hours	
	200		
	Record ID Number 300	40Hours	
	Record ID Number 390	40Hours	\$10,000.00
	Record ID Number 450	Hours	
	Record ID Number 610	40Hours	\$100,000.00
	<i>Summary for 'NumEmploy' = 200 (4 detail records)</i>		
	<b>Avg</b>	40Hours	\$55,000.00
	<b>Max</b>	40 Hours	
	<i>Summary for 'Industry' = Food, beverages, tobacco (7 detail records)</i>		
	<b>Avg</b>	44 Hours	\$70,000.00
	<b>Max</b>	50 Hours	

# OEM Cost

Reports from online equipment downtime survey  
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Industry	NumEmploy	Max OEM response time	OEM average cost Per Year
<b>Injection molding/ Extrusion</b>		Samples of data in database records.	
	30		
	Record ID Number 200	10Hours	\$10,000.00
	Record ID Number 360	10Hours	
	Record ID Number 550	50Hours	\$10,000.00
	<i>Summary for 'NumEmploy' = 30 (3 detail records)</i>		
	<b>Avg</b>	23Hours	\$10,000.00
	<b>Max</b>	50 Hours	
	300		
	Record ID Number 190	40Hours	\$100,000.00
	<i>Summary for 'NumEmploy' = 300 (1 detail record)</i>		
	<b>Avg</b>	40Hours	\$100,000.00
	<b>Max</b>	40 Hours	
	1000		
	Record ID Number 720	70Hours	\$10,000.00
	<i>Summary for 'NumEmploy' = 1000 (1 detail record)</i>		
	<b>Avg</b>	70Hours	\$10,000.00
	<b>Max</b>	70 Hours	
	<i>Summary for 'Industry' = Injection molding/ Extrusion (5 detail records)</i>		
	<b>Avg</b>	36 Hours	\$32,500.00
	<b>Max</b>	70 Hours	

Wednesday, September 19, 2001

Page 4 of 11

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Industry	NumEmploy	Max OEM response time	OEM average cost Per Year
<b>Machinery and equipment</b>		Samples of data in database records.	
	30		
	Record ID Number 80	10Hours	\$10,000.00
	Record ID Number 620	10Hours	\$10,000.00
	Record ID Number 700	20Hours	\$500,000.00
	Summary for 'NumEmploy' = 30 (3 detail records)		
	<b>Avg</b>	13Hours	\$173,333.33
	<b>Max</b>	20 Hours	
	50		
	Record ID Number 670	10Hours	\$100,000.00
	Summary for 'NumEmploy' = 50 (1 detail record)		
	<b>Avg</b>	10Hours	\$100,000.00
	<b>Max</b>	10 Hours	
	200		
	Record ID Number 110	10Hours	\$10,000.00
	Summary for 'NumEmploy' = 200 (1 detail record)		
	<b>Avg</b>	10Hours	\$10,000.00
	<b>Max</b>	10 Hours	
	1000		
	Record ID Number 740	80Hours	\$100,000.00
	Record ID Number 810	10Hours	\$10,000.00
	Record ID Number 730	80Hours	\$100,000.00
	Record ID Number 710	80Hours	\$100,000.00
	Summary for 'NumEmploy' = 1000 (4 detail records)		
	<b>Avg</b>	62Hours	\$77,500.00
	<b>Max</b>	80 Hours	
	Summary for 'Industry' = Machinery and equipment (9 detail records)		
	<b>Avg</b>	34 Hours	\$104,444.44
	<b>Max</b>	80 Hours	

Wednesday, September 19, 2001

Page 5 of 11

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# OEM Cost

Reports from online equipment downtime survey  
 BIN95.com/Survey/Survey.asp

Industry	NumEmploy	Max OEM response time	OEM average cost Per Year
<b>Metal products</b>		Samples of data in database records.	
	50		
	Record ID Number 320	10Hours	\$10,000.00
	Summary for 'NumEmploy' = 50 (1 detail record)		
	<b>Avg</b>	10Hours	\$10,000.00
	<b>Max</b>	10 Hours	
	150		
	Record ID Number 770	50Hours	\$100,000.00
	Summary for 'NumEmploy' = 150 (1 detail record)		
	<b>Avg</b>	50Hours	\$100,000.00
	<b>Max</b>	50 Hours	
	200		
	Record ID Number 400	Hours	\$500,000.00
	Record ID Number 480	10Hours	\$100,000.00
	Record ID Number 160	40Hours	\$100,000.00
	Record ID Number 640	Hours	\$10,000.00
	Summary for 'NumEmploy' = 200 (4 detail records)		
	<b>Avg</b>	25Hours	\$177,500.00
	<b>Max</b>	40 Hours	
	Summary for 'Industry' = Metal products (6 detail records)		
	<b>Avg</b>	28 Hours	\$136,666.67
	<b>Max</b>	50 Hours	

# OEM Cost

Reports from online equipment downtime survey  
BIN95.com/Survey/Survey.asp

Industry	NumEmploy	Max OEM response time	OEM average cost Per Year
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## Other

Samples of data in database records.

0

Record ID Number 120	Hours		
<i>Summary for 'NumEmploy' = 0 (1 detail record)</i>			
<b>Avg</b>	Hours		
<b>Max</b>	Hours		

30

Record ID Number 430	50Hours		\$10,000.00
Record ID Number 250	10Hours		\$10,000.00
Record ID Number 150	10Hours		\$10,000.00
Record ID Number 650	Hours		\$10,000.00
<i>Summary for 'NumEmploy' = 30 (4 detail records)</i>			
<b>Avg</b>	23Hours		\$10,000.00
<b>Max</b>	50 Hours		

50

Record ID Number 170	20Hours		\$100,000.00
<i>Summary for 'NumEmploy' = 50 (1 detail record)</i>			
<b>Avg</b>	20Hours		\$100,000.00
<b>Max</b>	20 Hours		

100

Record ID Number 790	10Hours		\$100,000.00
Record ID Number 780	Hours		
Record ID Number 520	40Hours		\$100,000.00
Record ID Number 290	20Hours		\$500,000.00
<i>Summary for 'NumEmploy' = 100 (4 detail records)</i>			
<b>Avg</b>	23Hours		\$233,333.33
<b>Max</b>	40 Hours		

200

Record ID Number 260	40Hours		\$10,000.00
Record ID Number 630	Hours		

Wednesday, September 19, 2001

Page 7 of 11

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# OEM Cost

Reports from online equipment downtime survey  
BIN95.com/Survey/Survey.asp

Industry	NumEmploy	Max OEM response time	OEM average cost Per Year
	Record ID Number 180	10Hours	\$10,000.00
	Record ID Number 350	40Hours	\$500,000.00
	Record ID Number 270	10Hours	\$10,000.00
	Record ID Number 280	Hours	
	Record ID Number 560	20Hours	\$10,000.00
	Record ID Number 470	40Hours	
	Record ID Number 530	50Hours	
	Record ID Number 230	50Hours	\$1,500,000.00
	Record ID Number 410	40Hours	\$100,000.00
	Record ID Number 240	40Hours	\$100,000.00
	Record ID Number 570	Hours	
	Record ID Number 340	10Hours	\$10,000.00
	Record ID Number 330	50Hours	\$100,000.00
	Record ID Number 310	40Hours	\$500,000.00
	Record ID Number 500	10Hours	\$500,000.00
	<i>Summary for 'NumEmploy' = 200 (17 detail records)</i>		
	<b>Avg</b>	32Hours	\$279,166.67
	<b>Max</b>	50 Hours	
	300		
	Record ID Number 590	Hours	\$100,000.00
	<i>Summary for 'NumEmploy' = 300 (1 detail record)</i>		
	<b>Avg</b>	Hours	\$100,000.00
	<b>Max</b>	Hours	
	400		
	Record ID Number 750	30Hours	\$500,000.00
	<i>Summary for 'NumEmploy' = 400 (1 detail record)</i>		
	<b>Avg</b>	30Hours	\$500,000.00
	<b>Max</b>	30 Hours	
	1200		
	Record ID Number 800	10Hours	\$10,000.00

Wednesday, September 19, 2001

Page 8 of 11

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# ***OEM Cost***

*Reports from online equipment downtime survey*  
**BIN95.com/Survey/Survey.asp**

<b><i>Industry</i></b>	<b><i>NumEmploy</i></b>	<b><i>Max OEM response time</i></b>	<b><i>OEM average cost Per Year</i></b>	
<i>Summary for 'NumEmploy' = 1200 (1 detail record)</i>				
		<b><i>Avg</i></b>	<i>10Hours</i>	<i>\$10,000.00</i>
		<b><i>Max</i></b>	<i>10 Hours</i>	
<i>Summary for 'Industry' = Other (30 detail records)</i>				
		<b><i>Avg</i></b>	<i>28 Hours</i>	<i>\$208,695.65</i>
		<b><i>Max</i></b>	<i>50 Hours</i>	

***Wednesday, September 19, 2001***

***Page 9 of 11***

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# OEM Cost

Reports from online equipment downtime survey  
BIN95.com/Survey/Survey.asp

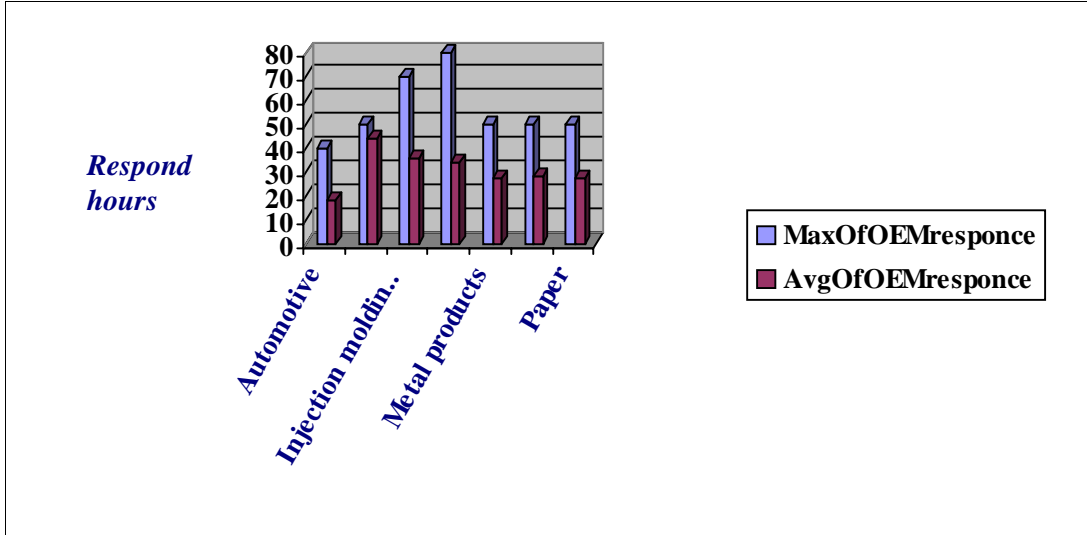
Industry	NumEmploy	Max OEM response time	OEM average cost Per Year	
Paper	Samples of data in database records.			
	30			
		Record ID Number 460	50Hours	\$10,000.00
		Summary for 'NumEmploy' = 30 (1 detail record)		
		<b>Avg</b>	50Hours	\$10,000.00
		<b>Max</b>	50 Hours	
	50			
		Record ID Number 220	10Hours	\$100,000.00
		Summary for 'NumEmploy' = 50 (1 detail record)		
		<b>Avg</b>	10Hours	\$100,000.00
	<b>Max</b>	10 Hours		
150				
	Record ID Number 760	10Hours	\$10,000.00	
	Summary for 'NumEmploy' = 150 (1 detail record)			
	<b>Avg</b>	10Hours	\$10,000.00	
	<b>Max</b>	10 Hours		
200				
	Record ID Number 130	40Hours	\$100,000.00	
	Summary for 'NumEmploy' = 200 (1 detail record)			
	<b>Avg</b>	40Hours	\$100,000.00	
	<b>Max</b>	40 Hours		
	Summary for 'Industry' = Paper (4 detail records)			
	<b>Avg</b>	28 Hours	\$55,000.00	
	<b>Max</b>	50 Hours		

# OEM Cost

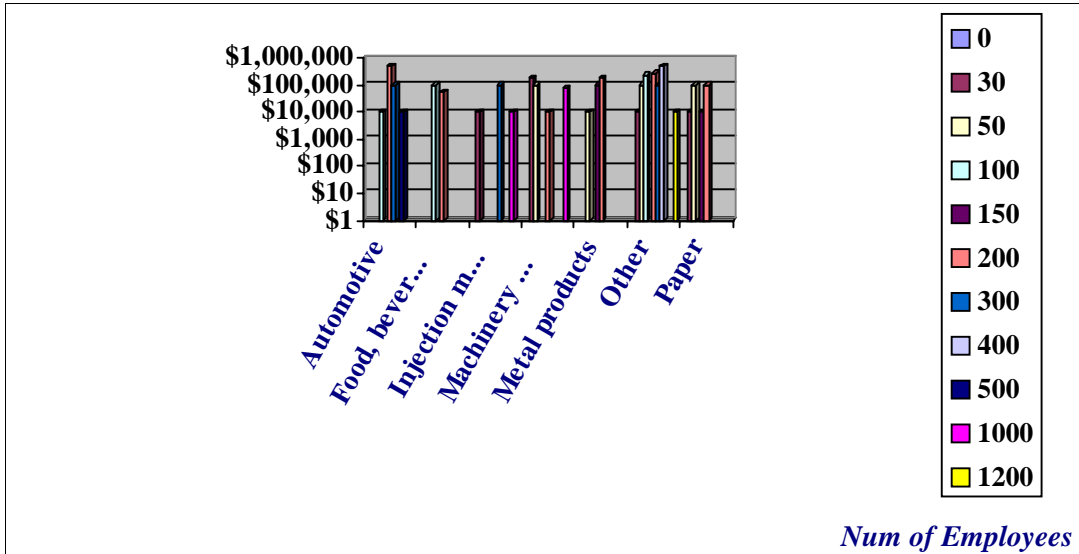
Reports from online equipment downtime survey  
 BIN95.com/Survey/Survey.asp

Industry	NumEmploy	Max OEM response time	OEM average cost Per Year
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OEM response time



Annual OEM Cost





## Business Industrial Network

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### General Information

Reports from online equipment downtime survey  
[BIN95.com/Survey/Survey.asp](http://BIN95.com/Survey/Survey.asp)

Industry	Automotive	
Number of Shifts	Occupation of participant	Percent of Outsourcing
2	Maintenance Foreman/Supervisor	10
<p><b>Equipment with No OEM Documentation</b> Weldline Automation Inc</p> <p><b>PLC brands used:</b> Telemecanique</p> <p><b>Number of Major BreakDowns per year</b> 0</p> <p><b>Major Equipment BreakDowns</b> Power</p>		
<p><b>Other OEM with no Documentation</b> separate by commas</p> <p><b>Shift with most down Time</b> 2</p> <p><b>Other Major equipment BreakDowns</b> separate by commas</p>		
3	Plant/Maintenance Engineer	10
<p><b>Equipment with No OEM Documentation</b> Siemens</p> <p><b>PLC brands used:</b> Allen-Bradley, Siemens, GE Fanuc, Modicon/Gould, Honeywell, SquareD</p> <p><b>Number of Major BreakDowns per year</b> 2</p> <p><b>Major Equipment BreakDowns</b> Power</p>		
<p><b>Other OEM with no Documentation</b></p> <p><b>Shift with most down Time</b> 2</p> <p><b>Other Major equipment BreakDowns</b> separate by commas</p>		

Wednesday, September 19, 2001

Page 1 of 36

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# General Information

Reports from online equipment downtime survey  
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Industry Automotive

Number of Shifts	Occupation of participant	Percent of Outsourcing
3	Maintenance Manager/Superintendent	10

**Equipment with No OEM Documentation**

Allen-Bradley, Mannesmann Rexroth Hydraulics, Mannesmann Rexroth-Indramat Division

**PLC brands used:** Allen-Bradley

**Number of Major BreakDowns per year** 0

**Major Equipment BreakDowns**

Pump

**Other OEM with no Documentation**

grob,landis,huller

**Shift with most down Time** 3

**Other Major equipment BreakDowns**

separate by commas

3	Maintenance Manager/Superintendent	10
---	------------------------------------	----

**Equipment with No OEM Documentation**

Not Selected

**PLC brands used:** Schneider

**Number of Major BreakDowns per year** 2

**Major Equipment BreakDowns**

Other

**Other OEM with no Documentation**

separate by commas

**Shift with most down Time** 3

**Other Major equipment BreakDowns**

separate by commas



# General Information

Reports from online equipment downtime survey  
BIN95.com/Survey/Survey.asp

Industry Automotive

Number of Shifts	Occupation of participant	Percent of Outsourcing
3	Maintenance Foreman/Supervisor	10
<b>Equipment with No OEM Documentation</b> Not Selected		<b>Other OEM with no Documentation</b> separate by commas
<b>PLC brands used:</b> Omron		<b>Shift with most down Time</b> 0
<b>Number of Major BreakDowns per year</b> 1		<b>Other Major equipment BreakDowns</b>
<b>Major Equipment BreakDowns</b> Other		STAMPING PRESS

# General Information

Reports from online equipment downtime survey  
 BIN95.com/Survey/Survey.asp

Industry Food, beverages, tobacco

Number of Shifts	Occupation of participant	Percent of Outsourcing
2	Plant/Maintenance Engineer	10
<p><b>Equipment with No OEM Documentation</b>            Not Selected</p> <p><b>PLC brands used:</b> Siemens, Honeywell</p> <p><b>Number of Major BreakDowns per year</b> 2</p> <p><b>Major Equipment BreakDowns</b>            Not Selected</p>		
<p><b>Other OEM with no Documentation</b>            Crown</p> <p><b>Shift with most down Time</b> 0</p> <p><b>Other Major equipment BreakDowns</b>            filler</p>		
2	Maintenance Manager/Superintendent	10
<p><b>Equipment with No OEM Documentation</b>            Not Selected</p> <p><b>PLC brands used:</b> Allen-Bradley</p> <p><b>Number of Major BreakDowns per year</b> 3</p> <p><b>Major Equipment BreakDowns</b>            Air Compresor, Boiler</p>		
<p><b>Other OEM with no Documentation</b>            separate by commas</p> <p><b>Shift with most down Time</b> 2</p> <p><b>Other Major equipment BreakDowns</b>            separate by commas</p>		

# General Information

Reports from online equipment downtime survey  
 BIN95.com/Survey/Survey.asp

Industry Food, beverages, tobacco

Number of Shifts	Occupation of participant	Percent of Outsourcing
2	Plant/Maintenance Engineer	10

**Equipment with No OEM Documentation**

Not Selected

**PLC brands used:** Allen-Bradley, Siemens, GE Fanuc

**Number of Major BreakDowns per year** 1

**Major Equipment BreakDowns**

Other

**Other OEM with no Documentation**

separate by commas

**Shift with most down Time** 4

**Other Major equipment BreakDowns**

scales

3	Maintenance Foreman/Supervisor	10
---	--------------------------------	----

**Equipment with No OEM Documentation**

Not Selected

**PLC brands used:** Allen-Bradley, Modicon/Gould

**Number of Major BreakDowns per year** 2

**Major Equipment BreakDowns**

Other

**Other OEM with no Documentation**

separate by commas

**Shift with most down Time** 3

**Other Major equipment BreakDowns**

packing equipment, dryers

# General Information

Reports from online equipment downtime survey  
 BIN95.com/Survey/Survey.asp

Industry Food, beverages, tobacco

Number of Shifts	Occupation of participant	Percent of Outsourcing
3	Maintenance Manager/Superintendent	0
<p><b>Equipment with No OEM Documentation</b>            Not Selected</p> <p><b>PLC brands used:</b> Allen-Bradley, GE Fanuc</p> <p><b>Number of Major BreakDowns per year</b> 1</p> <p><b>Major Equipment BreakDowns</b>            Not Selected</p>		
<p><b>Other OEM with no Documentation</b>            separate by commas</p> <p><b>Shift with most down Time</b> 1</p> <p><b>Other Major equipment BreakDowns</b>            separate by commas</p>		
3	Maintenance Manager/Superintendent	30
<p><b>Equipment with No OEM Documentation</b>            Allen-Bradley, Baldor Electric Company</p> <p><b>PLC brands used:</b> Allen-Bradley</p> <p><b>Number of Major BreakDowns per year</b> 2</p> <p><b>Major Equipment BreakDowns</b>            Power</p>		
<p><b>Other OEM with no Documentation</b>            separate by commas</p> <p><b>Shift with most down Time</b> 2</p> <p><b>Other Major equipment BreakDowns</b>            separate by commas</p>		

# General Information

Reports from online equipment downtime survey  
BIN95.com/Survey/Survey.asp

Industry Food, beverages, tobacco

Number of Shifts	Occupation of participant	Percent of Outsourcing
3	Other	10

### Equipment with No OEM Documentation

Baldor Electric Company

### Other OEM with no Documentation

separate by commas

PLC brands used: Allen-Bradley

Shift with most down Time 4

Number of Major BreakDowns per year 4

### Major Equipment BreakDowns

Hoppers, Other

### Other Major equipment BreakDowns

Hoppers, Feeders, Drive Gearbox,

# General Information

Reports from online equipment downtime survey  
 BIN95.com/Survey/Survey.asp

Industry Injection molding/ Extrusion

Number of Shifts	Occupation of participant	Percent of Outsourcing
2	Plant/Maintenance Engineer	10

**Equipment with No OEM Documentation**  
 Not Selected

**Other OEM with no Documentation**  
 Nucon, Maguire

**PLC brands used:** Allen-Bradley

**Shift with most down Time** 2

**Number of Major BreakDowns per year** 1

**Major Equipment BreakDowns**  
 Air Compressor, Power

**Other Major equipment BreakDowns**  
 separate by commas

2	Plant/Maintenance Engineer	40
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**Equipment with No OEM Documentation**  
 Direct Wire & Cable Inc

**Other OEM with no Documentation**  
 separate by commas

**PLC brands used:** Allen-Bradley

**Shift with most down Time** 4

**Number of Major BreakDowns per year** 4

**Major Equipment BreakDowns**  
 Water Chiller

**Other Major equipment BreakDowns**  
 separate by commas

# General Information

Reports from online equipment downtime survey  
 BIN95.com/Survey/Survey.asp

Industry Injection molding/ Extrusion

Number of Shifts	Occupation of participant	Percent of Outsourcing
3	Maintenance Manager/Superintendent	10

**Equipment with No OEM Documentation**

ESTA Corp, Simplex

**Other OEM with no Documentation**

Accu-Sort

**PLC brands used:** Allen-Bradley, Siemens, Mitsubishi, Telemecanique, SquareD

**Shift with most down Time** 3

**Number of Major BreakDowns per year** 1

**Major Equipment BreakDowns**

Power

**Other Major equipment BreakDowns**

conveyors

3	Other	10
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**Equipment with No OEM Documentation**

Not Selected

**Other OEM with no Documentation**

separate by commas

**PLC brands used:** Allen-Bradley, Modicon/Gould

**Shift with most down Time** 3

**Number of Major BreakDowns per year** 1

**Major Equipment BreakDowns**

Power

**Other Major equipment BreakDowns**

separate by commas

Wednesday, September 19, 2001

Page 9 of 36

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# General Information

Reports from online equipment downtime survey  
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Industry Injection molding/ Extrusion

Number of Shifts	Occupation of participant	Percent of Outsourcing
4	Plant/Maintenance Engineer	10
<b>Equipment with No OEM Documentation</b> Allen-Bradley		<b>Other OEM with no Documentation</b> separate by commas
<b>PLC brands used:</b> Allen-Bradley		<b>Shift with most down Time</b> 3
<b>Number of Major BreakDowns per year</b> 1		<b>Other Major equipment BreakDowns</b>
<b>Major Equipment BreakDowns</b> Other		Thermoformer



# General Information

Reports from online equipment downtime survey  
 BIN95.com/Survey/Survey.asp

Industry Machinery and equipment

Number of Shifts	Occupation of participant	Percent of Outsourcing
1	Other	10
	<i>Equipment with No OEM Documentation</i> ABB Automation Inc	<i>Other OEM with no Documentation</i> separate by commas
	<i>PLC brands used:</i> Allen-Bradley	<i>Shift with most down Time</i> 1
	<i>Number of Major BreakDowns per year</i> 3	<i>Other Major equipment BreakDowns</i> separate by commas
	<i>Major Equipment BreakDowns</i> Power	
2	Other	30
	<i>Equipment with No OEM Documentation</i> Not Selected	<i>Other OEM with no Documentation</i> separate by commas
	<i>PLC brands used:</i> Not Selected	<i>Shift with most down Time</i> 1
	<i>Number of Major BreakDowns per year</i> 1	<i>Other Major equipment BreakDowns</i> separate by commas
	<i>Major Equipment BreakDowns</i> Other	

# General Information

Reports from online equipment downtime survey  
 BIN95.com/Survey/Survey.asp

Industry Machinery and equipment

Number of Shifts	Occupation of participant	Percent of Outsourcing
3	Maintenance Manager/Superintendent	10
	<i>Equipment with No OEM Documentation</i> Allen-Bradley, ESTA Corp	<i>Other OEM with no Documentation</i> Accu-sort
	<i>PLC brands used:</i> Telemechanique, SquareD	<i>Shift with most down Time</i> 3
	<i>Number of Major BreakDowns per year</i> 1	<i>Other Major equipment BreakDowns</i>
	<i>Major Equipment BreakDowns</i> Power	conveyors
3	Other	20
	<i>Equipment with No OEM Documentation</i> FANUC Robotics North America, Inc.	<i>Other OEM with no Documentation</i> separate by commas
	<i>PLC brands used:</i> GE Fanuc	<i>Shift with most down Time</i> 3
	<i>Number of Major BreakDowns per year</i> 1	<i>Other Major equipment BreakDowns</i>
	<i>Major Equipment BreakDowns</i> Power	separate by commas

# General Information

Reports from online equipment downtime survey  
 BIN95.com/Survey/Survey.asp

Industry Machinery and equipment

Number of Shifts	Occupation of participant	Percent of Outsourcing
3	Maintenance Manager/Superintendent	10

**Equipment with No OEM Documentation**

Allen-Bradley, ESTA Corp

**PLC brands used:** Telemecanique, SquareD

**Number of Major BreakDowns per year** 1

**Major Equipment BreakDowns**

Power

**Other OEM with no Documentation**

Accu-sort

**Shift with most down Time** 3

**Other Major equipment BreakDowns**

conveyors

3	Plant/Maintenance Engineer	0
---	----------------------------	---

**Equipment with No OEM Documentation**

Honeywell

**PLC brands used:** Allen-Bradley

**Number of Major BreakDowns per year** 1

**Major Equipment BreakDowns**

Pump

**Other OEM with no Documentation**

separate by commas

**Shift with most down Time** 0

**Other Major equipment BreakDowns**

separate by commas

# General Information

Reports from online equipment downtime survey  
 BIN95.com/Survey/Survey.asp

Industry Machinery and equipment

Number of Shifts	Occupation of participant	Percent of Outsourcing
3	Maintenance Manager/Superintendent	20

**Equipment with No OEM Documentation**

Allen-Bradley

**Other OEM with no Documentation**

Accu-Sort

**PLC brands used:** Allen-Bradley, Mitsubishi, Telemecanique, SquareD

**Shift with most down Time** 3

**Number of Major BreakDowns per year** 1

**Major Equipment BreakDowns**

Power

**Other Major equipment BreakDowns**

conveyor

4	Maintenance Manager/Superintendent	80
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**Equipment with No OEM Documentation**

Not Selected

**Other OEM with no Documentation**

separate by commas

**PLC brands used:** Not Selected

**Shift with most down Time** 2

**Number of Major BreakDowns per year** 1

**Major Equipment BreakDowns**

CNC

**Other Major equipment BreakDowns**

separate by commas

# General Information

Reports from online equipment downtime survey  
BIN95.com/Survey/Survey.asp

Industry Machinery and equipment

Number of Shifts	Occupation of participant	Percent of Outsourcing
4	Maintenance Foreman/Supervisor	10
<b>Equipment with No OEM Documentation</b> A & A Manufacturing Co Inc, Accurpress/Accurshear, AUTOCON Technologies, Inc. , Cutler Hammer, DynaPath, Fagor Automation Corporation, HE & M Saw Inc, Koolant		<b>Other OEM with no Documentation</b> separate by commas
<b>PLC brands used:</b> Don't Know		<b>Shift with most down Time</b> 2
<b>Number of Major BreakDowns per year</b> 1		<b>Other Major equipment BreakDowns</b>
<b>Major Equipment BreakDowns</b> Other		cnc

# General Information

Reports from online equipment downtime survey  
 BIN95.com/Survey/Survey.asp

Industry *Metal products*

<i>Number of Shifts</i>	<i>Occupation of participant</i>	<i>Percent of Outsourcing</i>
2	Maintenance Manager/Superintendent	10

**Equipment with No OEM Documentation**  
 Not Selected

**Other OEM with no Documentation**  
 separate by commas

**PLC brands used:** Siemens, Mitsubishi

**Shift with most down Time** 4

**Number of Major BreakDowns per year** 4

**Major Equipment BreakDowns**  
 Other

**Other Major equipment BreakDowns**  
 Plant Spetic Equipment,

2	Maintenance Crafts/Tradesperson	30
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**Equipment with No OEM Documentation**  
 AC Machine Inc, Allen-Bradley, Wisconsin Automated Machinery

**Other OEM with no Documentation**  
 separate by commas

**PLC brands used:** Allen-Bradley

**Shift with most down Time** 1

**Number of Major BreakDowns per year** 10

**Major Equipment BreakDowns**  
 Air Compresor, Pump, Boiler, Power

**Other Major equipment BreakDowns**  
 separate by commas

# General Information

Reports from online equipment downtime survey  
 BIN95.com/Survey/Survey.asp

Industry *Metal products*

<i>Number of Shifts</i>	<i>Occupation of participant</i>	<i>Percent of Outsourcing</i>
2	Other	10

***Equipment with No OEM Documentation***

Not Selected

***Other OEM with no Documentation***

separate by commas

***PLC brands used:*** Allen-Bradley, GE Fanuc, PLCDirect, Telemecanique, IDEC

***Shift with most down Time*** 4

***Number of Major BreakDowns per year*** 0

***Major Equipment BreakDowns***

Not Selected

***Other Major equipment BreakDowns***

separate by commas

3	Process/Industrial Engineer	10
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***Equipment with No OEM Documentation***

Allen-Bradley, Alliant Energy Resources

***Other OEM with no Documentation***

separate by commas

***PLC brands used:*** Allen-Bradley

***Shift with most down Time*** 4

***Number of Major BreakDowns per year*** 2

***Major Equipment BreakDowns***

Other

***Other Major equipment BreakDowns***

roll stands, hydraulics

# General Information

Reports from online equipment downtime survey  
 BIN95.com/Survey/Survey.asp

Industry	Metal products	
Number of Shifts	Occupation of participant	Percent of Outsourcing
3	Maintenance Manager/Superintendent	10
<p><b>Equipment with No OEM Documentation</b>            Not Selected</p> <p><b>PLC brands used:</b> Not Selected, Allen-Bradley, Omron, Siemens, Mitsubishi, Toshiba</p> <p><b>Number of Major BreakDowns per year</b> 0</p> <p><b>Major Equipment BreakDowns</b>            Not Selected</p>		
<p><b>Other OEM with no Documentation</b>            separate by commas</p> <p><b>Shift with most down Time</b> 4</p> <p><b>Other Major equipment BreakDowns</b>            separate by commas</p>		
3	Maintenance Crafts/Tradesperson	10
<p><b>Equipment with No OEM Documentation</b>            Weldsale Co</p> <p><b>PLC brands used:</b> SquareD</p> <p><b>Number of Major BreakDowns per year</b> 2</p> <p><b>Major Equipment BreakDowns</b>            Air Compresor</p>		
<p><b>Other OEM with no Documentation</b>            separate by commas</p> <p><b>Shift with most down Time</b> 3</p> <p><b>Other Major equipment BreakDowns</b>            separate by commas</p>		



# General Information

Reports from online equipment downtime survey  
 BIN95.com/Survey/Survey.asp

Industry	Other		
Number of Shifts	Occupation of participant	Percent of Outsourcing	
0	Other	10	
	<i>Equipment with No OEM Documentation</i> Not Selected		<i>Other OEM with no Documentation</i> separate by commas
	<i>PLC brands used:</i> Don't Know		<i>Shift with most down Time</i> 1
	<i>Number of Major BreakDowns per year</i> 0		
	<i>Major Equipment BreakDowns</i> Not Selected		<i>Other Major equipment BreakDowns</i> No breakdown affected 1/3 of our facility
0	Other	20	
	<i>Equipment with No OEM Documentation</i> Not Selected		<i>Other OEM with no Documentation</i> separate by commas
	<i>PLC brands used:</i> Not Selected		<i>Shift with most down Time</i> 3
	<i>Number of Major BreakDowns per year</i> 1		
	<i>Major Equipment BreakDowns</i> Other		<i>Other Major equipment BreakDowns</i> separate by commas

# General Information

Reports from online equipment downtime survey  
 BIN95.com/Survey/Survey.asp

<i>Industry</i>	<i>Other</i>		
<i>Number of Shifts</i>	<i>Occupation of participant</i>	<i>Percent of Outsourcing</i>	
1	Other	10	
	<i>Equipment with No OEM Documentation</i> Not Selected		<i>Other OEM with no Documentation</i> Heidelberg USA
	<i>PLC brands used:</i> Not Selected		<i>Shift with most down Time</i> 4
	<i>Number of Major BreakDowns per year</i> 0		
	<i>Major Equipment BreakDowns</i> Not Selected		<i>Other Major equipment BreakDowns</i> separate by commas
2	Maintenance Foreman/Supervisor	20	
	<i>Equipment with No OEM Documentation</i> Not Selected		<i>Other OEM with no Documentation</i> separate by commas
	<i>PLC brands used:</i> Allen-Bradley, Siemens		<i>Shift with most down Time</i> 4
	<i>Number of Major BreakDowns per year</i> 4		
	<i>Major Equipment BreakDowns</i> Air Compressor, Pump, Boiler		<i>Other Major equipment BreakDowns</i> separate by commas

# General Information

Reports from online equipment downtime survey  
 BIN95.com/Survey/Survey.asp

Industry	Other		
Number of Shifts	Occupation of participant	Percent of Outsourcing	
2	Other	10	
	<i>Equipment with No OEM Documentation</i> Not Selected		<i>Other OEM with no Documentation</i> separate by commas
	<i>PLC brands used:</i> PLCDirect		<i>Shift with most down Time</i> 1
	<i>Number of Major BreakDowns per year</i> 0		
	<i>Major Equipment BreakDowns</i> Not Selected		<i>Other Major equipment BreakDowns</i> separate by commas
2	Plant/Maintenance Engineer	10	
	<i>Equipment with No OEM Documentation</i> Not Selected		<i>Other OEM with no Documentation</i> separate by commas
	<i>PLC brands used:</i> Omron		<i>Shift with most down Time</i> 1
	<i>Number of Major BreakDowns per year</i> 0		
	<i>Major Equipment BreakDowns</i> Not Selected		<i>Other Major equipment BreakDowns</i> wave solder machine

# General Information

Reports from online equipment downtime survey  
 BIN95.com/Survey/Survey.asp

Industry	Other		
Number of Shifts	Occupation of participant	Percent of Outsourcing	
2	Maintenance Manager/Superintendent	10	
<b>Equipment with No OEM Documentation</b>		<b>Other OEM with no Documentation</b>	
Not Selected		separate by commas	
<b>PLC brands used:</b> Allen-Bradley, Omron, Siemens, Mitsubishi, GE Fanuc, Modicon/Gould		<b>Shift with most down Time</b> 1	
<b>Number of Major BreakDowns per year</b> 1		<b>Other Major equipment BreakDowns</b>	
<b>Major Equipment BreakDowns</b>		separate by commas	
Air Compresor			
2	Maintenance Manager/Superintendent	10	
<b>Equipment with No OEM Documentation</b>		<b>Other OEM with no Documentation</b>	
Not Selected		separate by commas	
<b>PLC brands used:</b> Allen-Bradley, Omron, GE Fanuc		<b>Shift with most down Time</b> 2	
<b>Number of Major BreakDowns per year</b> 3		<b>Other Major equipment BreakDowns</b>	
<b>Major Equipment BreakDowns</b>		Waste, Residule collection	
Other			

# General Information

Reports from online equipment downtime survey  
 BIN95.com/Survey/Survey.asp

Industry	Other	
Number of Shifts	Occupation of participant	Percent of Outsourcing
2	Maintenance Manager/Superintendent	10
<b>Equipment with No OEM Documentation</b> Not Selected		<b>Other OEM with no Documentation</b> Temescal, Veeco, Kasper, Canon, Karl Suss, Solitec, Semitool, Hybond, Spire, Bruce
<b>PLC brands used:</b> Allen-Bradley, Omron, Siemens, Telemecanique, Schneider		<b>Shift with most down Time</b> 1
<b>Number of Major BreakDowns per year</b> 2		<b>Other Major equipment BreakDowns</b> evaporators, bonders, aligners, furnaces
<b>Major Equipment BreakDowns</b> Other		
3	Maintenance Technician	10
<b>Equipment with No OEM Documentation</b> Salvagnini		<b>Other OEM with no Documentation</b> Mazak
<b>PLC brands used:</b> Allen-Bradley		<b>Shift with most down Time</b> 2
<b>Number of Major BreakDowns per year</b> 0		<b>Other Major equipment BreakDowns</b> manf. machines
<b>Major Equipment BreakDowns</b> Pump		

# General Information

Reports from online equipment downtime survey  
 BIN95.com/Survey/Survey.asp

Industry	Other		
Number of Shifts	Occupation of participant	Percent of Outsourcing	
3	Maintenance Technician	10	
	<i>Equipment with No OEM Documentation</i> Not Selected		<i>Other OEM with no Documentation</i> separate by commas
	<i>PLC brands used:</i> Allen-Bradley		<i>Shift with most down Time</i> 0
	<i>Number of Major BreakDowns per year</i> 0		<i>Other Major equipment BreakDowns</i> separate by commas
	<i>Major Equipment BreakDowns</i> Power		
3	Maintenance Manager/Superintendent	20	
	<i>Equipment with No OEM Documentation</i> Mitsubishi		<i>Other OEM with no Documentation</i> separate by commas
	<i>PLC brands used:</i> Allen-Bradley		<i>Shift with most down Time</i> 4
	<i>Number of Major BreakDowns per year</i> 0		<i>Other Major equipment BreakDowns</i> separate by commas
	<i>Major Equipment BreakDowns</i> Not Selected		

# General Information

Reports from online equipment downtime survey  
 BIN95.com/Survey/Survey.asp

<i>Industry</i>	<i>Other</i>		
<i>Number of Shifts</i>	<i>Occupation of participant</i>	<i>Percent of Outsourcing</i>	
3	Process/Industrial Engineer	10	
	<i>Equipment with No OEM Documentation</i> Allen-Bradley		<i>Other OEM with no Documentation</i> separate by commas
	<i>PLC brands used:</i> Allen-Bradley		<i>Shift with most down Time</i> 1
	<i>Number of Major BreakDowns per year</i> 1		
	<i>Major Equipment BreakDowns</i> Pump		<i>Other Major equipment BreakDowns</i> separate by commas
3	Plant/Maintenance Engineer	10	
	<i>Equipment with No OEM Documentation</i> Not Selected		<i>Other OEM with no Documentation</i> separate by commas
	<i>PLC brands used:</i> Allen-Bradley		<i>Shift with most down Time</i> 3
	<i>Number of Major BreakDowns per year</i> 4		
	<i>Major Equipment BreakDowns</i> Air Compressor, Water Chiller, Power		<i>Other Major equipment BreakDowns</i> separate by commas

# General Information

Reports from online equipment downtime survey  
 BIN95.com/Survey/Survey.asp

Industry	Other		
Number of Shifts	Occupation of participant	Percent of Outsourcing	
3	Other	50	
<i>Equipment with No OEM Documentation</i>		<i>Other OEM with no Documentation</i>	
Komatsu Cutting Technologies		INGERSOLL RAND	
<i>PLC brands used:</i> Not Selected		<i>Shift with most down Time</i> 3	
<i>Number of Major BreakDowns per year</i>		1	
<i>Major Equipment BreakDowns</i>		<i>Other Major equipment BreakDowns</i>	
Other		Hydraulic shovels&trucks	
3	Other	30	
<i>Equipment with No OEM Documentation</i>		<i>Other OEM with no Documentation</i>	
Omron, SquareD		separate by commas	
<i>PLC brands used:</i> Allen-Bradley		<i>Shift with most down Time</i> 0	
<i>Number of Major BreakDowns per year</i>		5	
<i>Major Equipment BreakDowns</i>		<i>Other Major equipment BreakDowns</i>	
Not Selected, Air Compresor, Hoppers, Power		separate by commas	



# General Information

Reports from online equipment downtime survey  
 BIN95.com/Survey/Survey.asp

Industry	Other	
Number of Shifts	Occupation of participant	Percent of Outsourcing
3	Plant/Maintenance Engineer	10
<b>Equipment with No OEM Documentation</b> Not Selected		<b>Other OEM with no Documentation</b> Reliance
<b>PLC brands used:</b> Not Selected		<b>Shift with most down Time</b> 3
<b>Number of Major BreakDowns per year</b> 3		<b>Other Major equipment BreakDowns</b>
<b>Major Equipment BreakDowns</b> Other		Large DC Drives, Preheat Furnace, Monorail System
3	Maintenance Clerk	10
<b>Equipment with No OEM Documentation</b> Not Selected		<b>Other OEM with no Documentation</b> separate by commas
<b>PLC brands used:</b> Modicon/Gould		<b>Shift with most down Time</b> 1
<b>Number of Major BreakDowns per year</b> 1		<b>Other Major equipment BreakDowns</b>
<b>Major Equipment BreakDowns</b> Air Compressor		separate by commas

# General Information

Reports from online equipment downtime survey  
 BIN95.com/Survey/Survey.asp

<i>Industry</i>	<i>Other</i>		
<i>Number of Shifts</i>	<i>Occupation of participant</i>	<i>Percent of Outsourcing</i>	
3	Other	10	
	<i>Equipment with No OEM Documentation</i> Siemens		<i>Other OEM with no Documentation</i> separate by commas
	<i>PLC brands used:</i> Allen-Bradley		<i>Shift with most down Time</i> 1
	<i>Number of Major BreakDowns per year</i> 3		
	<i>Major Equipment BreakDowns</i> Air Compressor		<i>Other Major equipment BreakDowns</i> separate by commas
3	Maintenance Manager/Superintendent	20	
	<i>Equipment with No OEM Documentation</i> ABB Automation Inc, LS Industries Inc		<i>Other OEM with no Documentation</i> separate by commas
	<i>PLC brands used:</i> Allen-Bradley, GE Fanuc, PLCDirect		<i>Shift with most down Time</i> 4
	<i>Number of Major BreakDowns per year</i> 2		
	<i>Major Equipment BreakDowns</i> Power		<i>Other Major equipment BreakDowns</i> separate by commas

# General Information

Reports from online equipment downtime survey  
 BIN95.com/Survey/Survey.asp

<i>Industry</i>	<i>Other</i>		
<i>Number of Shifts</i>	<i>Occupation of participant</i>	<i>Percent of Outsourcing</i>	
3	Plant/Maintenance Engineer	30	
<i>Equipment with No OEM Documentation</i>		<i>Other OEM with no Documentation</i>	
Baldor Electric Company , Esco Tool, Honeywell, Panametrics Inc, Praxair Inc, Raytec Measuring Systems, Rockwell Automation, Siemens, Simplex, SquareD, Toshiba		separate by commas	
<i>PLC brands used:</i> Allen-Bradley		<i>Shift with most down Time</i> 3	
<i>Number of Major BreakDowns per year</i> 1		<i>Other Major equipment BreakDowns</i>	
<i>Major Equipment BreakDowns</i> Boiler		separate by commas	
3	Maintenance Manager/Superintendent	10	
<i>Equipment with No OEM Documentation</i>		<i>Other OEM with no Documentation</i>	
Not Selected		separate by commas	
<i>PLC brands used:</i> Allen-Bradley		<i>Shift with most down Time</i> 2	
<i>Number of Major BreakDowns per year</i> 2		<i>Other Major equipment BreakDowns</i>	
<i>Major Equipment BreakDowns</i> Power		separate by commas	

# General Information

Reports from online equipment downtime survey  
 BIN95.com/Survey/Survey.asp

Industry	Other		
Number of Shifts	Occupation of participant	Percent of Outsourcing	
3	Maintenance Manager/Superintendent	10	
	<i>Equipment with No OEM Documentation</i> ABB Automation Inc		<i>Other OEM with no Documentation</i> separate by commas
	<i>PLC brands used:</i> Allen-Bradley		<i>Shift with most down Time</i> 3
	<i>Number of Major BreakDowns per year</i> 0		
	<i>Major Equipment BreakDowns</i> Power		<i>Other Major equipment BreakDowns</i> separate by commas
3	Other	10	
	<i>Equipment with No OEM Documentation</i> FANUC Robotics North America, Inc.		<i>Other OEM with no Documentation</i> separate by commas
	<i>PLC brands used:</i> Modicon/Gould		<i>Shift with most down Time</i> 4
	<i>Number of Major BreakDowns per year</i> 0		
	<i>Major Equipment BreakDowns</i> Not Selected		<i>Other Major equipment BreakDowns</i> separate by commas

# General Information

Reports from online equipment downtime survey  
 BIN95.com/Survey/Survey.asp

Industry	Other		
Number of Shifts	Occupation of participant	Percent of Outsourcing	
3	Plant/Maintenance Engineer	30	
	<i>Equipment with No OEM Documentation</i> Not Selected		<i>Other OEM with no Documentation</i> separate by commas
	<i>PLC brands used:</i> Don't Know		<i>Shift with most down Time</i> 4
	<i>Number of Major BreakDowns per year</i> 4		
	<i>Major Equipment BreakDowns</i> Other		<i>Other Major equipment BreakDowns</i> equipment
4	Other	10	
	<i>Equipment with No OEM Documentation</i> Schneider		<i>Other OEM with no Documentation</i> separate by commas
	<i>PLC brands used:</i> Schneider		<i>Shift with most down Time</i> 4
	<i>Number of Major BreakDowns per year</i> 1		
	<i>Major Equipment BreakDowns</i> Power		<i>Other Major equipment BreakDowns</i> separate by commas

# General Information

Reports from online equipment downtime survey  
 BIN95.com/Survey/Survey.asp

<i>Industry</i>	<i>Other</i>		
<i>Number of Shifts</i>	<i>Occupation of participant</i>	<i>Percent of Outsourcing</i>	
4	Maintenance Manager/Superintendent	10	
	<i>Equipment with No OEM Documentation</i> Not Selected		<i>Other OEM with no Documentation</i> separate by commas
	<i>PLC brands used:</i> Allen-Bradley		<i>Shift with most down Time</i> 2
	<i>Number of Major BreakDowns per year</i> 1		<i>Other Major equipment BreakDowns</i>
	<i>Major Equipment BreakDowns</i> Other		Process Equipment
4	Maintenance Manager/Superintendent	10	
	<i>Equipment with No OEM Documentation</i> Not Selected		<i>Other OEM with no Documentation</i> separate by commas
	<i>PLC brands used:</i> Siemens		<i>Shift with most down Time</i> 4
	<i>Number of Major BreakDowns per year</i> 0		<i>Other Major equipment BreakDowns</i>
	<i>Major Equipment BreakDowns</i> Not Selected		separate by commas

# General Information

Reports from online equipment downtime survey  
BIN95.com/Survey/Survey.asp

Industry	Other		
Number of Shifts	Occupation of participant	Percent of Outsourcing	
4	Plant/Maintenance Engineer	10	
	<i>Equipment with No OEM Documentation</i> Not Selected		<i>Other OEM with no Documentation</i> separate by commas
	<i>PLC brands used:</i> Don't Know		<i>Shift with most down Time</i> 4
	<i>Number of Major BreakDowns per year</i> 0		
	<i>Major Equipment BreakDowns</i> Not Selected		<i>Other Major equipment BreakDowns</i> separate by commas
9	Other	0	
	<i>Equipment with No OEM Documentation</i> Not Selected		<i>Other OEM with no Documentation</i> separate by commas
	<i>PLC brands used:</i> Not Selected		<i>Shift with most down Time</i> 9
	<i>Number of Major BreakDowns per year</i> 0		
	<i>Major Equipment BreakDowns</i> Not Selected		<i>Other Major equipment BreakDowns</i> separate by commas

# General Information

Reports from online equipment downtime survey  
 BIN95.com/Survey/Survey.asp

Industry	Paper		
Number of Shifts	Occupation of participant	Percent of Outsourcing	
1	Other	30	
	<i>Equipment with No OEM Documentation</i> Not Selected		<i>Other OEM with no Documentation</i> separate by commas
	<i>PLC brands used:</i> Not Selected		<i>Shift with most down Time</i> 4
	<i>Number of Major BreakDowns per year</i> 1		
	<i>Major Equipment BreakDowns</i> Power		<i>Other Major equipment BreakDowns</i> separate by commas
2	Other	75	
	<i>Equipment with No OEM Documentation</i> Haberle/Ken Bergman & Assoc		<i>Other OEM with no Documentation</i> Heidelberg
	<i>PLC brands used:</i> Siemens		<i>Shift with most down Time</i> 1
	<i>Number of Major BreakDowns per year</i> 0		
	<i>Major Equipment BreakDowns</i> Other		<i>Other Major equipment BreakDowns</i> printing machine



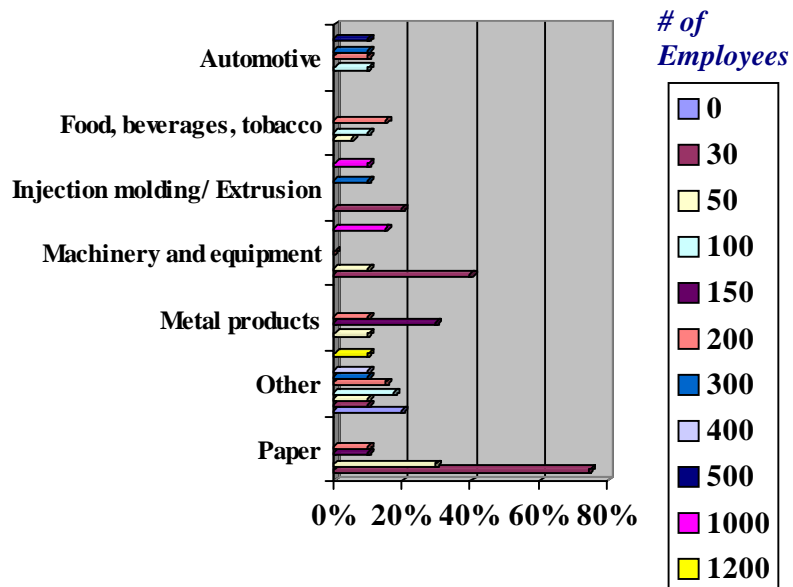
# General Information

Reports from online equipment downtime survey  
 BIN95.com/Survey/Survey.asp

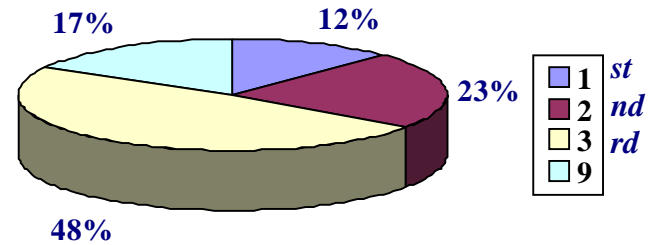
Industry	Paper		
Number of Shifts	Occupation of participant	Percent of Outsourcing	
3	Maintenance Manager/Superintendent	10	
<i>Equipment with No OEM Documentation</i>		<i>Other OEM with no Documentation</i>	
Cutler Hammer, GE Fanuc, Siemens		Micromatic	
<i>PLC brands used:</i> Allen-Bradley, Siemens, GE Fanuc, Cutler Hammer		<i>Shift with most down Time</i> 2	
<i>Number of Major BreakDowns per year</i> 4		<i>Other Major equipment BreakDowns</i>	
<i>Major Equipment BreakDowns</i>		Asitrade, Flexo Printers, Offset Printers	
Boiler, Other			
3	Maintenance Manager/Superintendent	10	
<i>Equipment with No OEM Documentation</i>		<i>Other OEM with no Documentation</i>	
Allen-Bradley		separate by commas	
<i>PLC brands used:</i> Allen-Bradley		<i>Shift with most down Time</i> 9	
<i>Number of Major BreakDowns per year</i> 2		<i>Other Major equipment BreakDowns</i>	
<i>Major Equipment BreakDowns</i>		separate by commas	
Boiler			

# General Information

## Percent of Outsourcing



## Most Downtime per Shift



9 = participants did not answer

*The pie chart above just shows what we all know to be true. The downtime is proportional to the lack of technical support on the "off shifts". The addition of large manufacturers to the survey did not change this fact. This is also the primary purpose of Business Industrial Network. "To provide technical support 24/7 via the internet, and other media." (WWW.BIN95.com)*

*The percentage of outsourcing remains to be an average of 10% across all industries.*