THE TOTAL COST OF DOWNTIME IN INDUSTRIAL AUTOMATION

What you don’t know about your availability risk may kill the efficiencies in your operations.
Cost of Downtime

$20B

Is the total cost of unscheduled downtime across process industries or almost 5% of output value.
Unplanned downtime is a major source of significant extra costs, a productivity killer and destroyer of efficiencies.

10×

Unplanned outages result in 10 times the cost of scheduled downtime

$30k-$50k/h

Typical cost in many industrial settings

$250k+/h

Top average cost per hour of downtime (Aberdeen Group)

2-5%

Lost production in petro-chemicals*

5-10%

Increased costs (labor and other direct costs, delayed delivery and unfulfilled orders)

$10k/h

In a natural gas compression station

$250k+/h

Top average cost per hour of downtime (Aberdeen Group)


HOW MUCH DOES DOWNTIME COST YOUR OPERATIONS?

Assess your risk level: www.stratus.com/cost-of-downtime-calculator
Number of hours of operation at risk

15 HOURS+/ YR

3.6 DOWNTIME INCIDENTS PER YEAR

3-4 HRS IS THE AVERAGE DOWNTIME PER INCIDENT
The difference in cost of unplanned downtime between 99% and 99.999% availability is huge!

99% availability equals 87.7 hours of unscheduled downtime per year
- $874k downtime cost at $10k/h
- $4.4m downtime cost at $50k/h

99.999% availability equals 0.09h per year
- $0.9k downtime cost at $10k/h
- $4.4k downtime cost at $50k/h

99.95% availability equals 4.4h per year
- $44k downtime cost at $1k/h
- $218k downtime cost at $50k/h
How the cost of unplanned downtime adds up

Cost of unplanned downtime is big $$$ and a big risk. It will negatively impact your bottom line ... and it's avoidable.

<table>
<thead>
<tr>
<th>DIRECT COSTS OF INTERRUPTION</th>
<th>OTHER COSTS OF DOWNTIME</th>
</tr>
</thead>
<tbody>
<tr>
<td>○ Inability to deliver on customer orders and expectations</td>
<td>○ Negative publicity; damaged reputation</td>
</tr>
<tr>
<td>○ Idle labor and overtime labor</td>
<td>○ Data loss</td>
</tr>
<tr>
<td>○ Production spoilage / waste</td>
<td>○ Environmental harm</td>
</tr>
<tr>
<td>○ Equipment damage and production-line repair</td>
<td>○ Worker safety incidents</td>
</tr>
<tr>
<td>○ Cost of restoring operations</td>
<td>○ Lost Customers</td>
</tr>
<tr>
<td>○ Cost of clean-up and disposal</td>
<td>○ Law Suits</td>
</tr>
</tbody>
</table>

**HOW MUCH UNPLANNED DOWNTIME IS ACCEPTABLE IN YOUR ENVIRONMENT?**

*Check now at www.stratus.com/mfg*
Fault-tolerant systems engineered with redundant components specifically designed to prevent unplanned downtime are the better choice.

Stratus’ solutions enable rapid deployment of always-on infrastructures, from enterprise servers to clouds, without any changes to your applications. Our products – software and platforms – combined with our people and services enable us to prevent downtime before it occurs and ensure uninterrupted 24 x 7 x 365 performance of essential business operations.

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