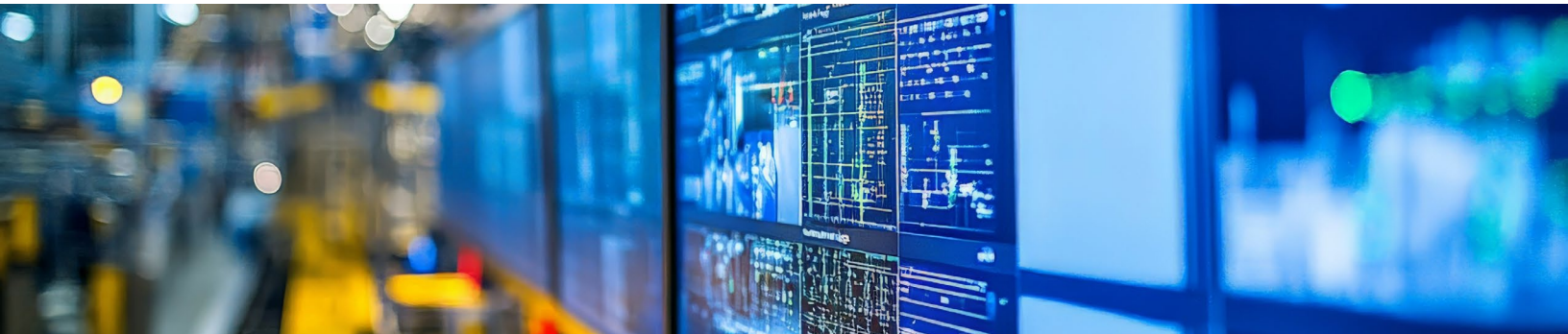




The Shop Floor Connectivity ROI Calculator

 Use this sheet with the ROI Calculator Spreadsheet



A fast, simple way to see:

- ▶ What is disconnected data really costing you?
- ▶ And how quickly will connecting your machines pay for itself?

Introduction

You want to connect your shop floor, but leadership wants numbers: “What’s the real payback?”

Here’s a quick calculator to estimate the value—no guesswork or jargon, just business basics.

Spend 3 minutes with this sheet and you’ll know:

- ✓ Your monthly “hidden costs” from disconnected machines
- ✓ How much time and money you’ll free up with connectivity
- ✓ How long until you break even on a typical shop floor project

Ready? Let’s go!

STEP 1:

Enter Your Current Shop Floor Realities Why It Happens:

INPUT	YOUR NUMBER	RAIN ENGINEERING SUGGESTS
Machines/Assets in Scope		(Ex: start with 20)
Downtime (hr/month, all assets)		(Ex: 20 hours)
Cost of Downtime (\$/hr)		(Ex: \$1,200/hr)
Time spent on manual data collection (hrs/day, all assets)		(Ex: 3 hours)
Avg. hourly wage of data collectors		(Ex: \$35/hr)



STEP 2:

Calculate Your “Hidden Costs”

A. Monthly Cost of Downtime:

Downtime (hours/month) x Cost/hr = \$ /mo.

B. Manual Data Collection:

Hours/day x Wage x 22 working days = \$ /mo.

C. Quality Incidents/Mistakes From Missing Data (Estimate):

How many incidents per month? Average cost?

Incidents x Cost = \$ /mo.

Total “Hidden Cost” of Disconnected Machines:
\$ /mo.

STEP 3:

Estimate Your Payback Period

A. Typical Total Connectivity Project Cost (20 machines):

Rain Planning Range: \$18,000 – \$28,000
(Ask us for a custom quote!)

B. Annual Savings (add up the monthly savings you expect):

\$/mo. x 12 = \$/year

C. Payback Time:

Project Cost ÷ Annual Savings = months

STEP 4:

Your Results

With shop floor connectivity, you could save:

\$ per year

hours of manual data entry per month

downtime hours per year

Your likely payback period:

months (That’s fast.)

EXAMPLE:

Other Manufacturers Are Learning:

A 20-machine plastics shop spent:

2 hours/day collecting run data (at \$50/hr)

18 hrs/month in downtime they couldn’t trace

3 quality incidents/month (\$2,000/incident)

Result:

Monthly “hidden cost” **\$9,900**

Rain project cost: **\$24,000**

Payback: **~2.4 months**

From month three on? **Pure ROI**



Final Thoughts

Most operations leaders are shocked at how quickly data connectivity pays for itself. The “cost of doing nothing” is usually much higher than expected—and often totally invisible.

Still missing something?

Ask Rain Engineering for a free, no-pressure 20-asset Connectivity Assessment, and we’ll fill this out together using your actual plant data.

BOOK TODAY →

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Do Better.

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