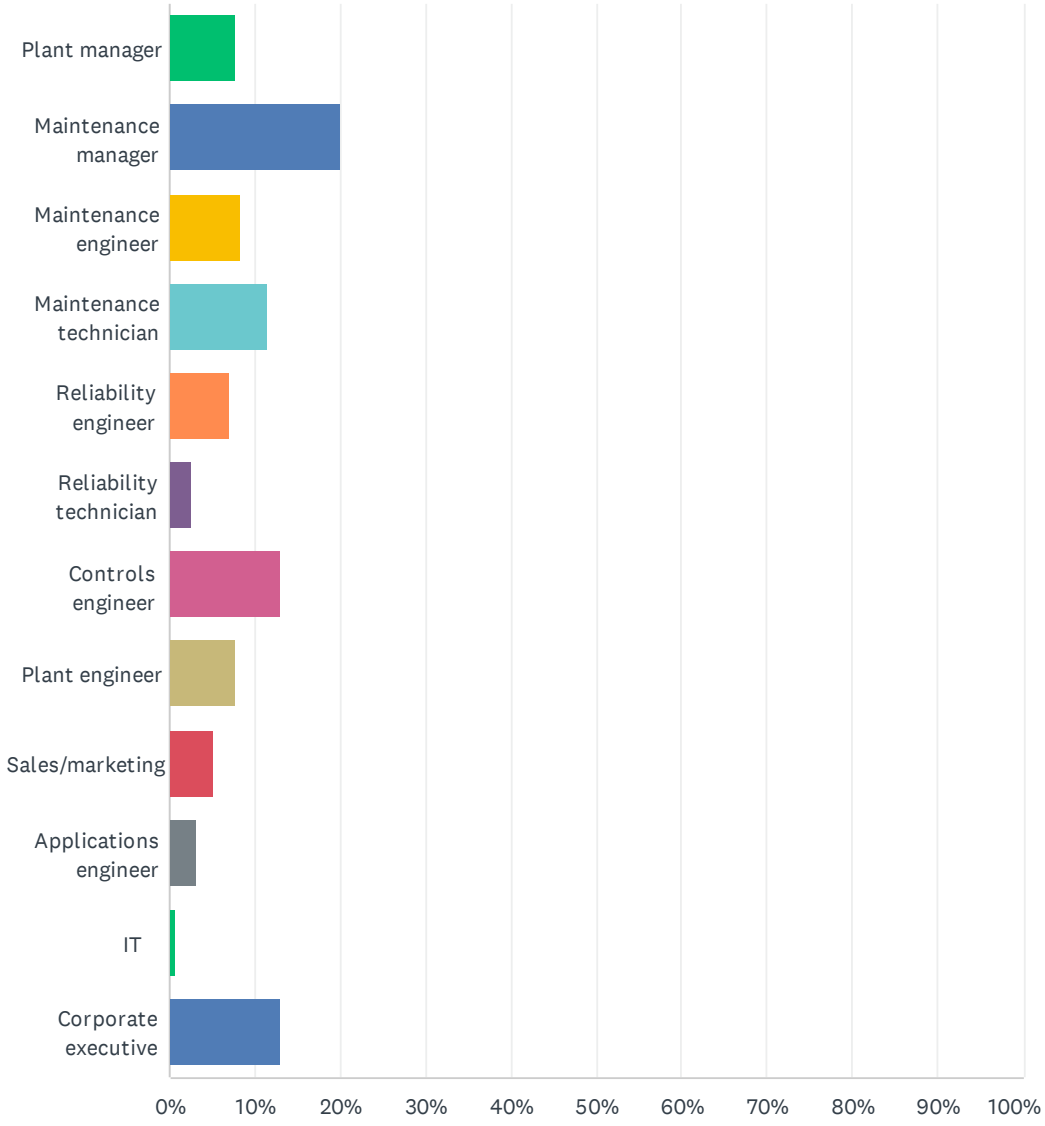
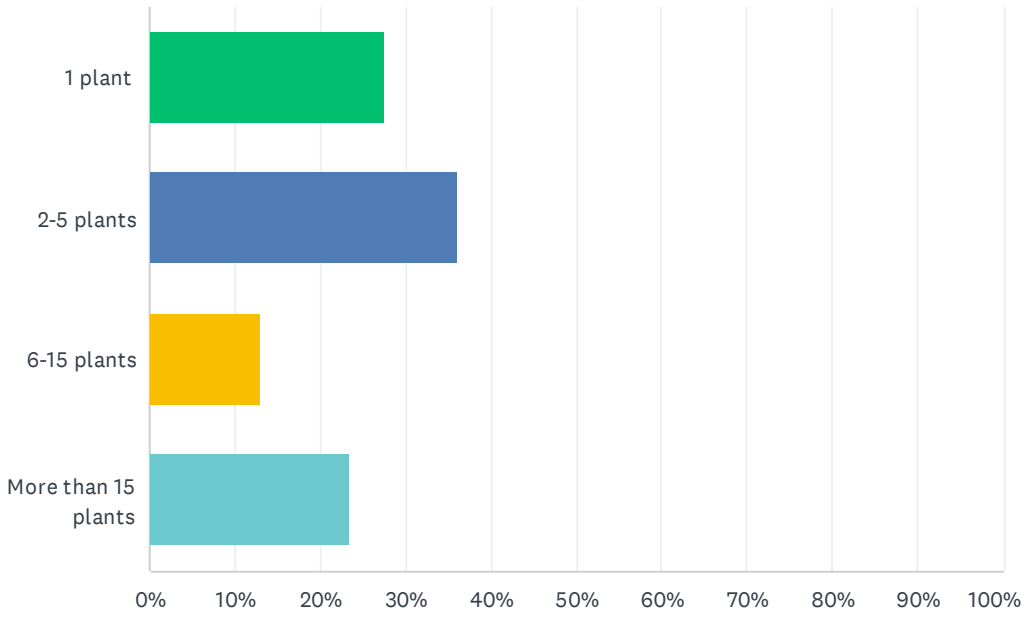
Q1 What is your primary job function?



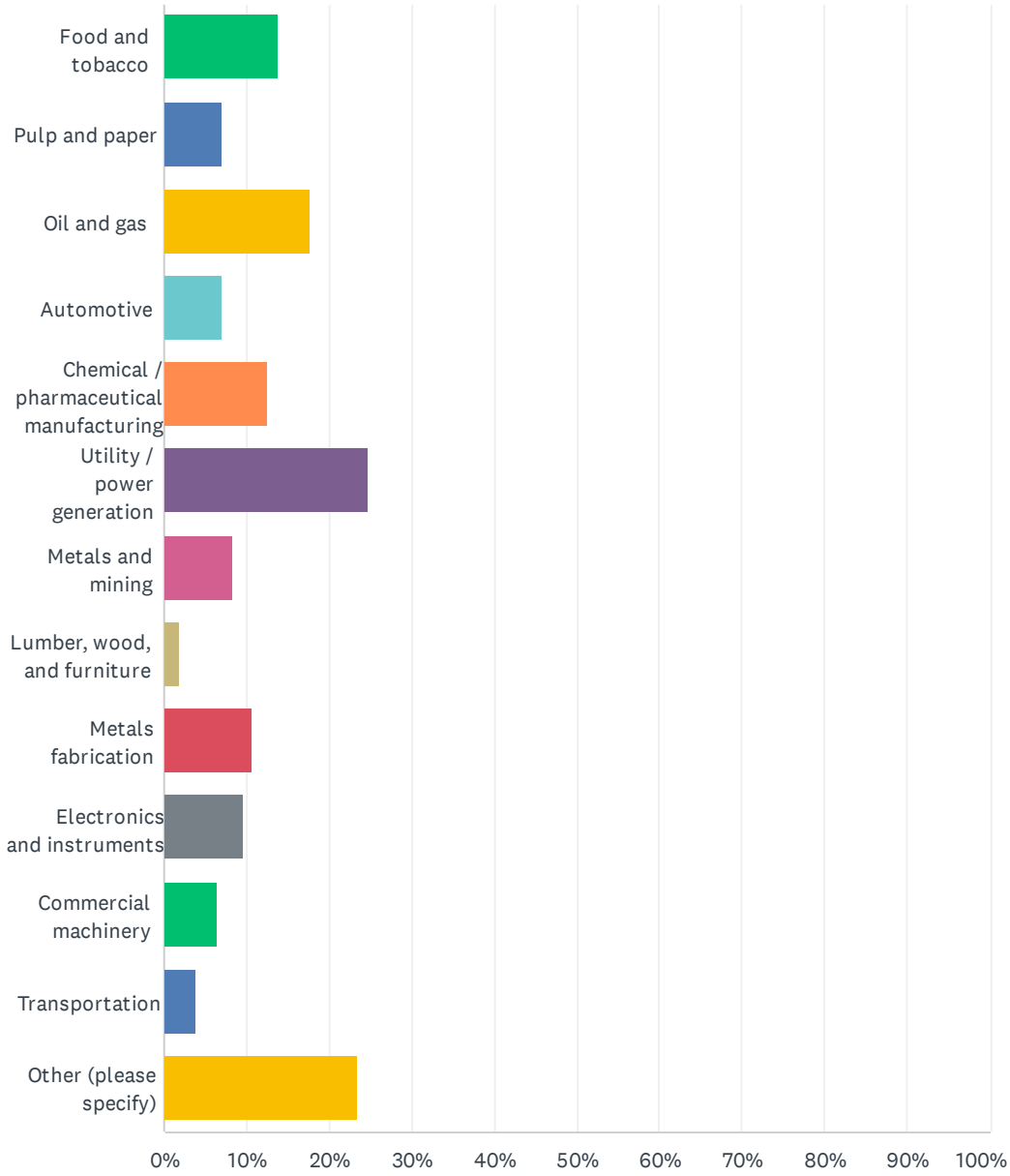
ANSWER CHOICES	RESPONSES
Plant manager	7.74%
Maintenance manager	20.00%
Maintenance engineer	8.39%
Maintenance technician	11.61%
Reliability engineer	7.10%
Reliability technician	2.58%
Controls engineer	12.90%
Plant engineer	7.74%
Sales/marketing	5.16%
Applications engineer	3.23%
IT	0.65%
Corporate executive	12.90%
TOTAL	

Q2 How many total plants does your organization manage?



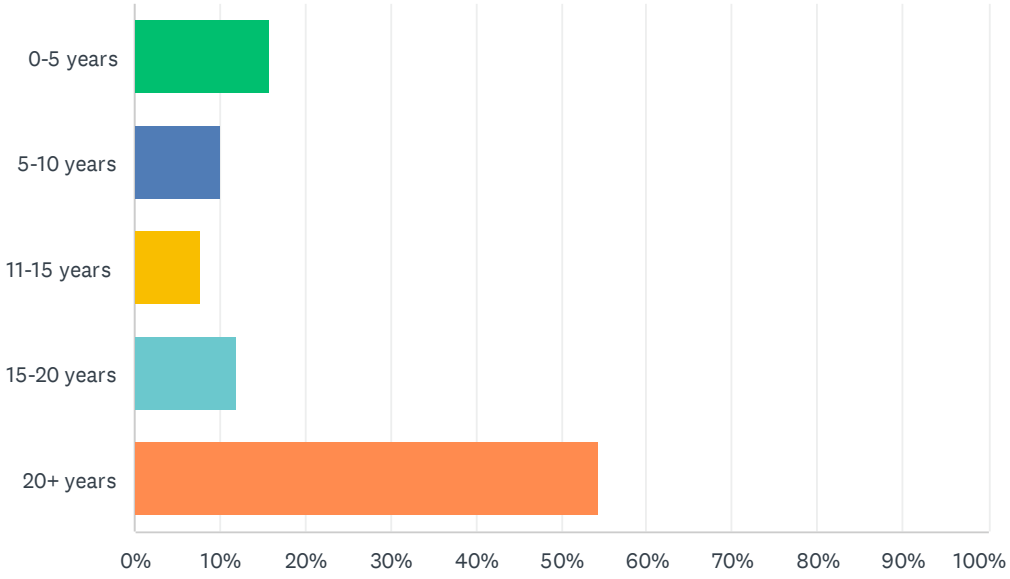
ANSWER CHOICES	RESPONSES
1 plant	27.45%
2-5 plants	35.95%
6-15 plants	13.07%
More than 15 plants	23.53%
TOTAL	

Q3 What vertical does your plant most closely align with? (Please check all that apply.)



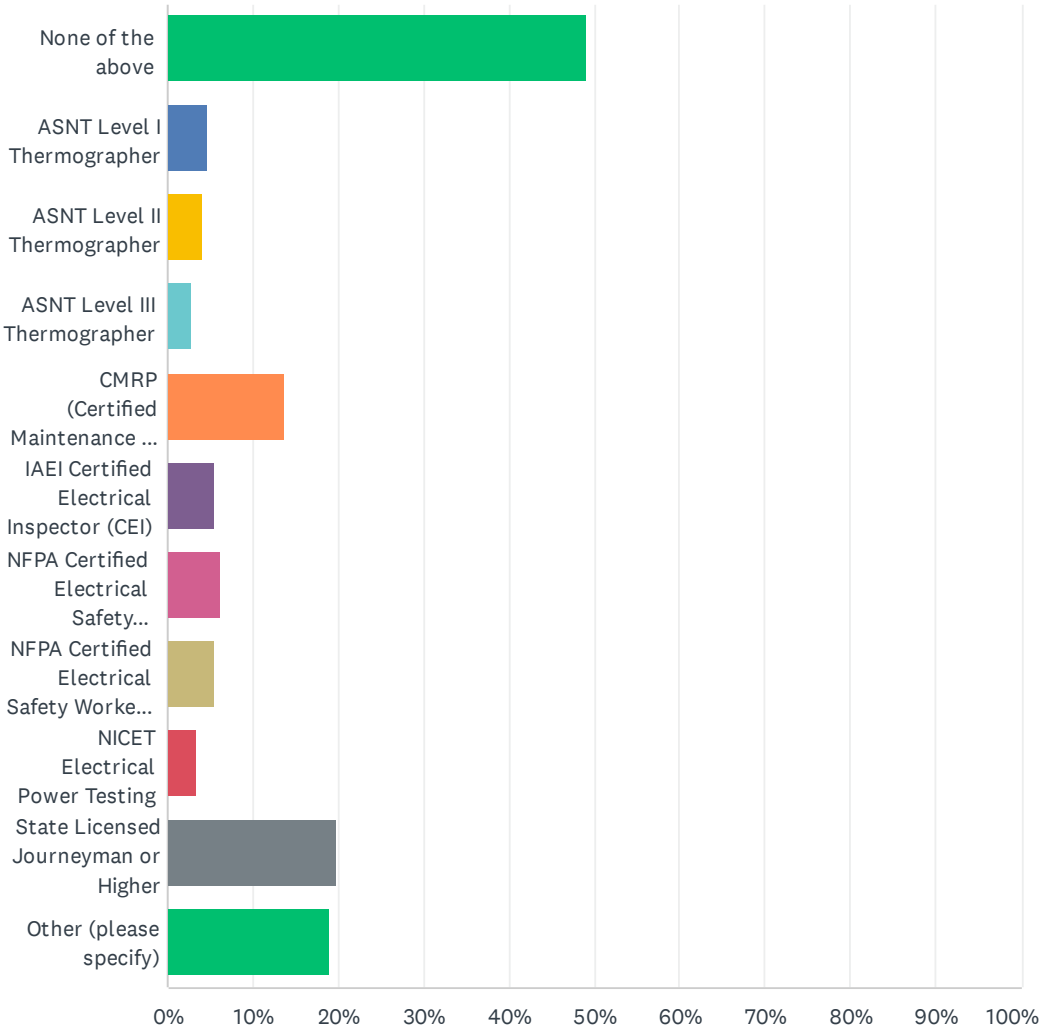
ANSWER CHOICES	RESPONSES
Food and tobacco	13.92%
Pulp and paper	6.96%
Oil and gas	17.72%
Automotive	6.96%
Chemical / pharmaceutical manufacturing	12.66%
Utility / power generation	24.68%
Metals and mining	8.23%
Lumber, wood, and furniture	1.90%
Metals fabrication	10.76%
Electronics and instruments	9.49%
Commercial machinery	6.33%
Transportation	3.80%
Other (please specify)	23.42%

Q4 How long have you been doing electrical repairs or troubleshooting?



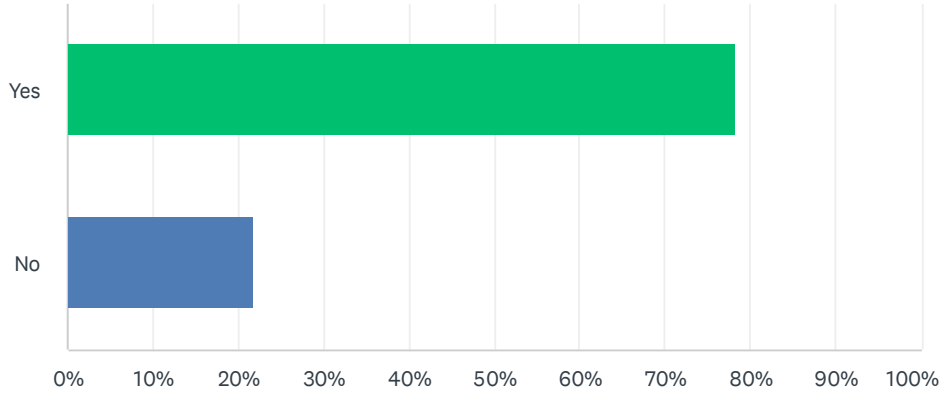
ANSWER CHOICES	RESPONSES
0-5 years	15.82%
5-10 years	10.13%
11-15 years	7.59%
15-20 years	12.03%
20+ years	54.43%
TOTAL	

Q5 Which of the following certifications do you currently hold? Please check all that apply.



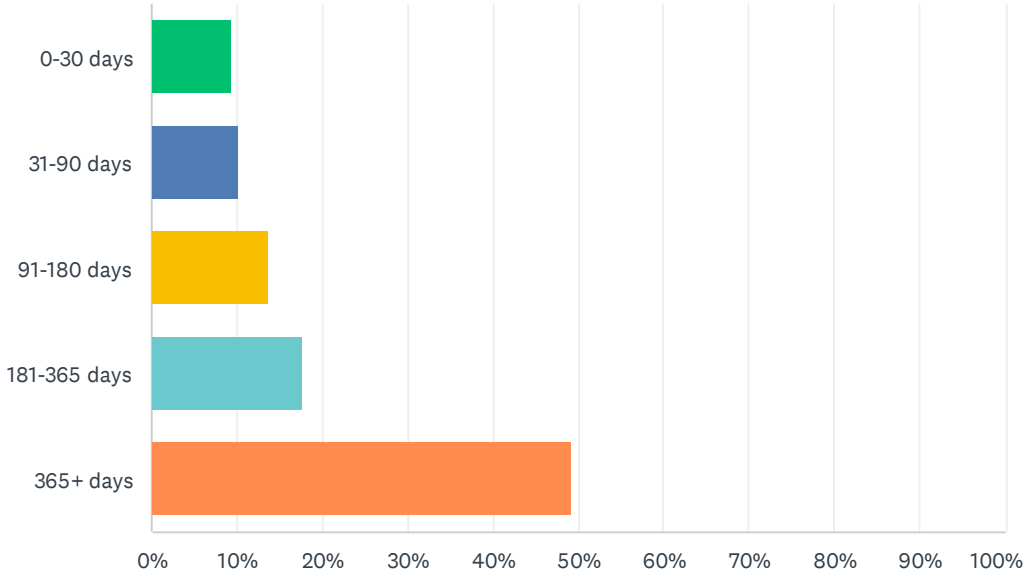
ANSWER CHOICES	RESPONSES
None of the above	48.98%
ASNT Level I Thermographer	4.76%
ASNT Level II Thermographer	4.08%
ASNT Level III Thermographer	2.72%
CMRP (Certified Maintenance & Reliability Professional) – through SMRP	13.61%
IAEI Certified Electrical Inspector (CEI)	5.44%
NFPA Certified Electrical Safety Compliance Professional (CESCP)	6.12%
NFPA Certified Electrical Safety Worker (CESW)	5.44%
NICET Electrical Power Testing	3.40%
State Licensed Journeyman or Higher	19.73%
Other (please specify)	19.05%

Q6 Do you consider your plant electrically up to code?



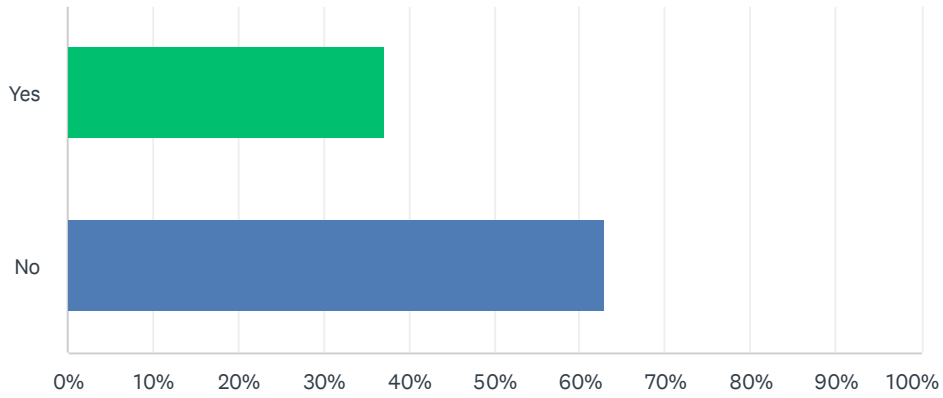
ANSWER CHOICES	RESPONSES
Yes	78.15%
No	21.85%
TOTAL	

Q7 What is your facility's average time between electrical incidents?



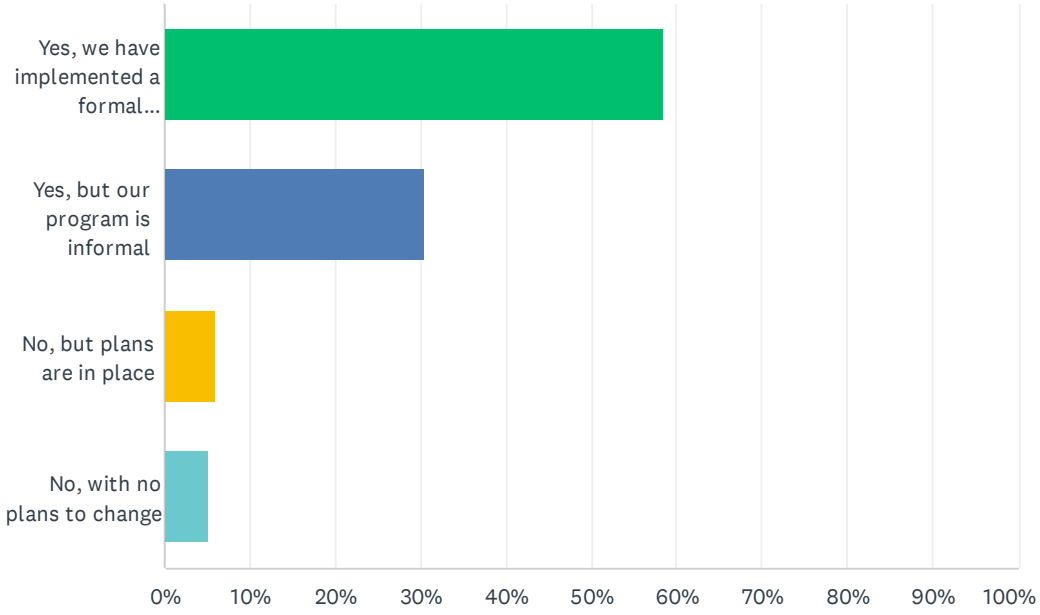
ANSWER CHOICES	RESPONSES
0-30 days	9.32%
31-90 days	10.17%
91-180 days	13.56%
181-365 days	17.80%
365+ days	49.15%
TOTAL	

Q8 Have you ever been part of an OSHA investigation?



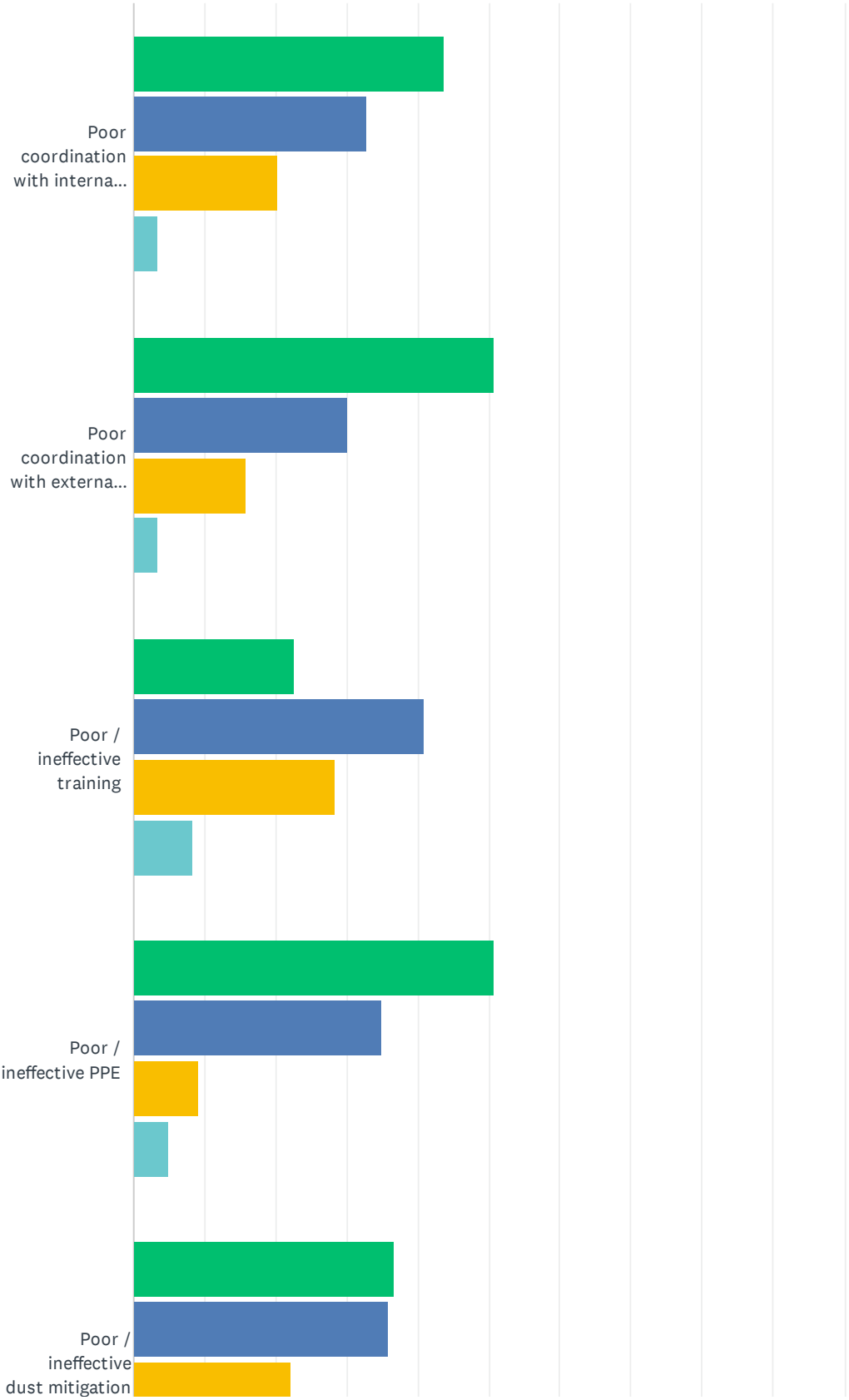
ANSWER CHOICES	RESPONSES
Yes	37.19%
No	62.81%
TOTAL	

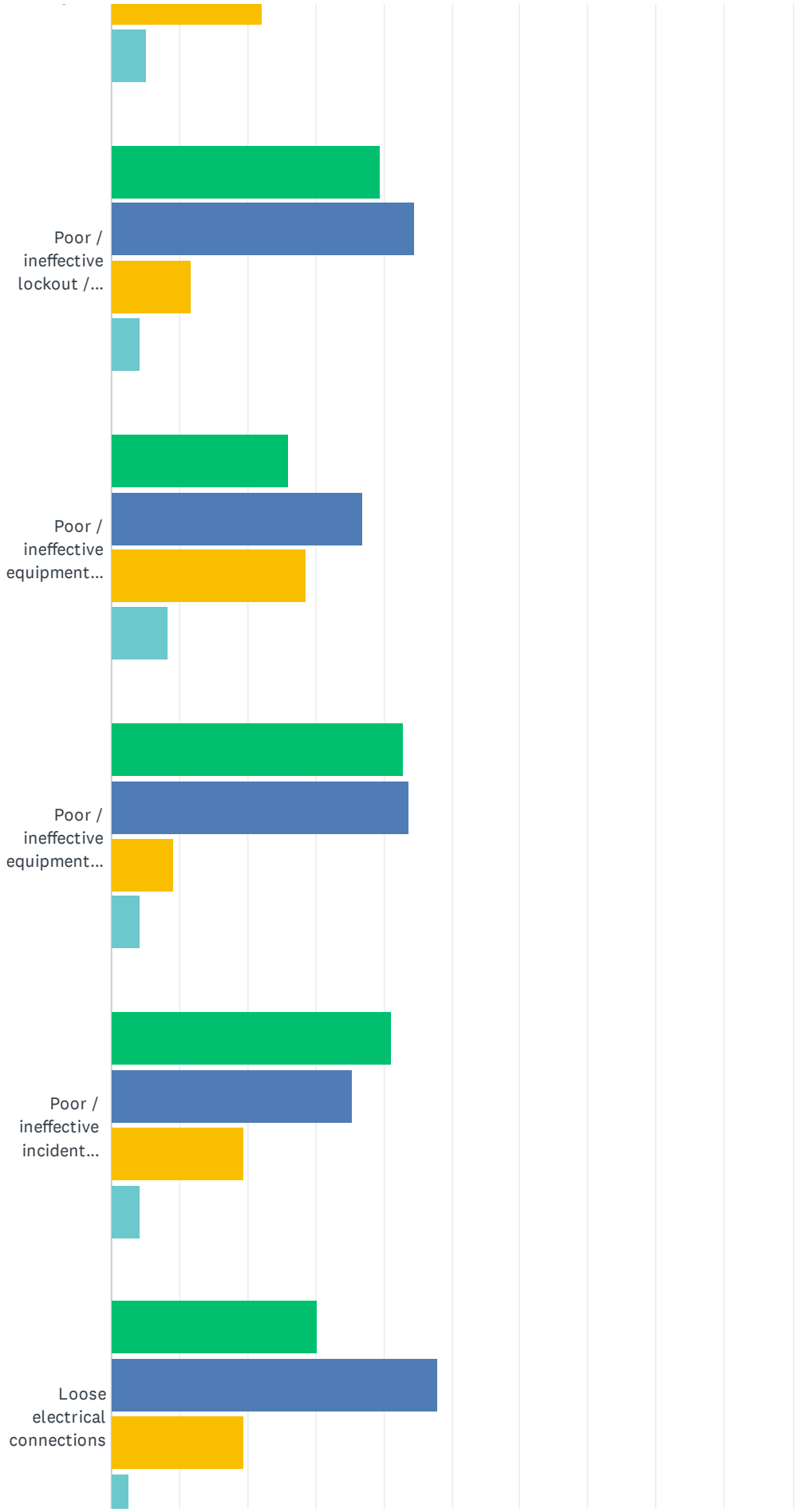
Q9 Does your facility engage in near-miss reporting?

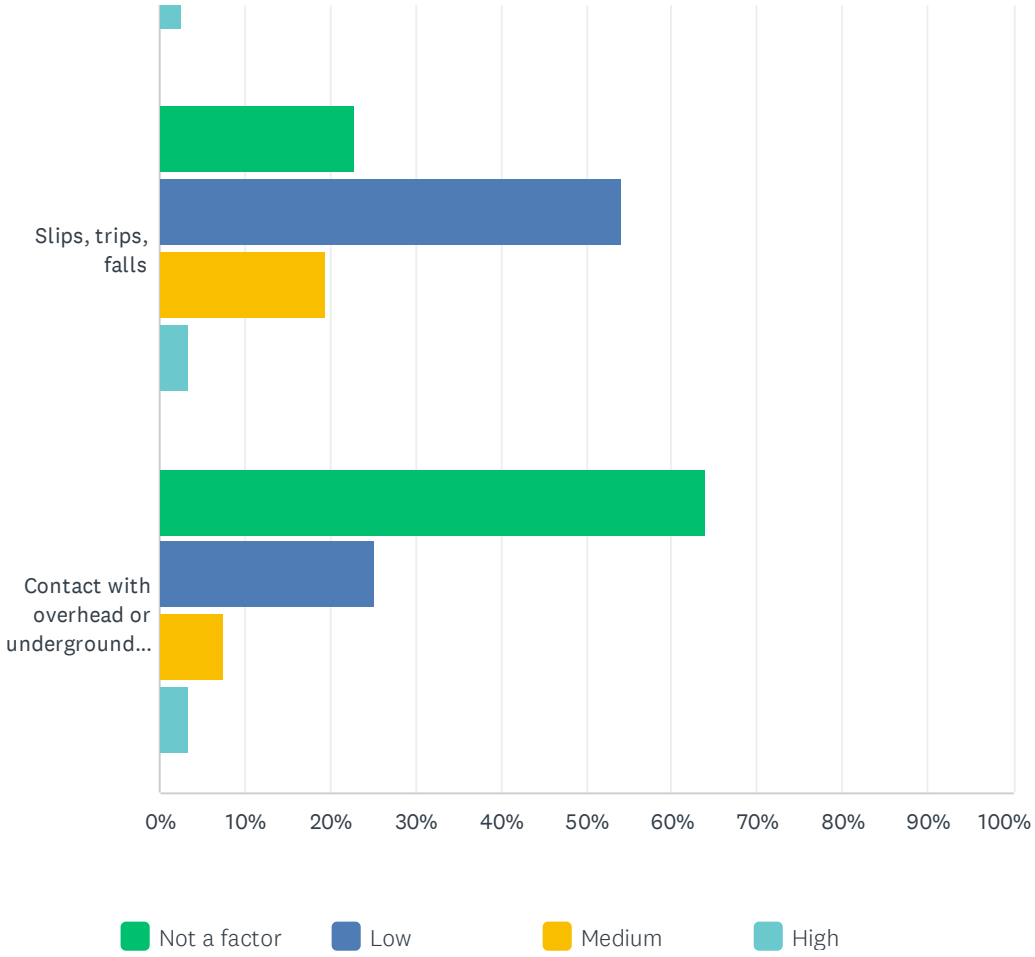


ANSWER CHOICES	RESPONSES
Yes, we have implemented a formal near-miss reporting program	58.47%
Yes, but our program is informal	30.51%
No, but plans are in place	5.93%
No, with no plans to change	5.08%
TOTAL	

Q10 Please rate the following electrical safety challenges at your facility.

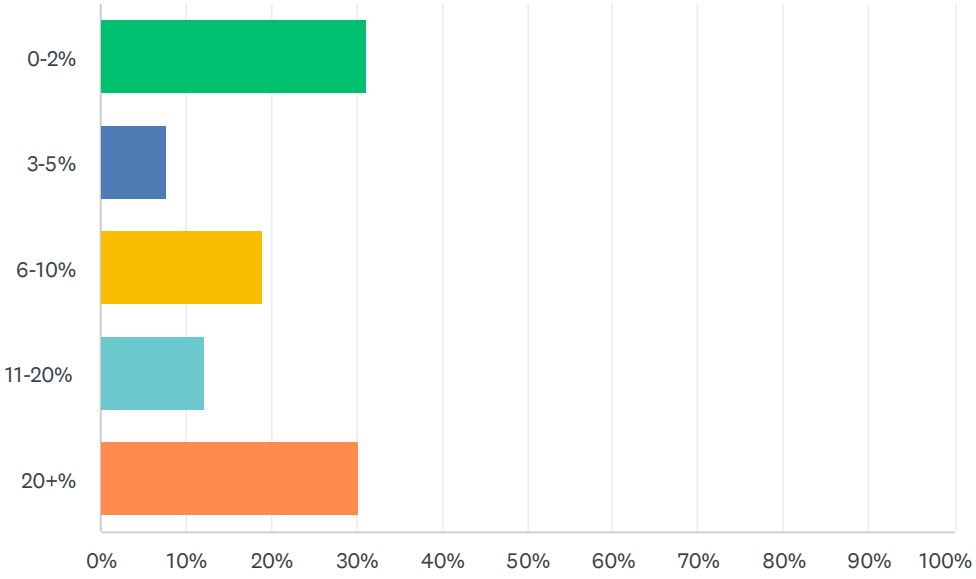



Poor / ineffective lockout /...
Poor / ineffective equipment...
Poor / ineffective equipment...
Poor / ineffective incident...
Loose electrical connections


Slips, trips, falls
Contact with overhead or underground...
0%
10%
20%
30%
40%
50%
60%
70%
80%
90%
100%
Not a factor
Low
Medium
High

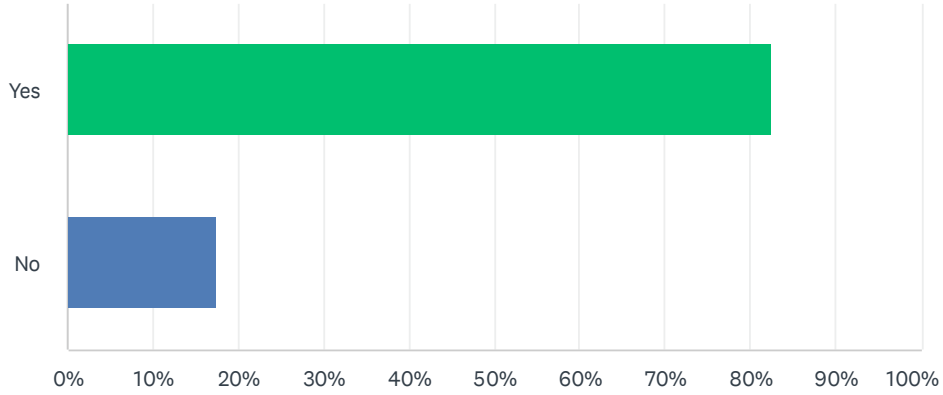
	NOT A FACTOR	LOW	MEDIUM	HIGH
Poor coordination with internal departments (i.e., EH&S)	43.70%	32.77%	20.17%	3.36%
Poor coordination with external agencies (i.e., OSHA)	50.83%	30.00%	15.83%	3.33%
Poor / ineffective training	22.50%	40.83%	28.33%	8.33%
Poor / ineffective PPE	50.83%	35.00%	9.17%	5.00%
Poor / ineffective dust mitigation	36.75%	35.90%	22.22%	5.13%
Poor / ineffective lockout / tagout	39.50%	44.54%	11.76%	4.20%
Poor / ineffective equipment maintenance	26.05%	36.97%	28.57%	8.40%
Poor / ineffective equipment grounding	42.86%	43.70%	9.24%	4.20%
Poor / ineffective incident reporting	41.18%	35.29%	19.33%	4.20%
Loose electrical connections	30.25%	47.90%	19.33%	2.52%
Slips, trips, falls	22.88%	54.24%	19.49%	3.39%
Contact with overhead or underground electrical lines	63.87%	25.21%	7.56%	3.36%

Q11 How much of your work is energized?



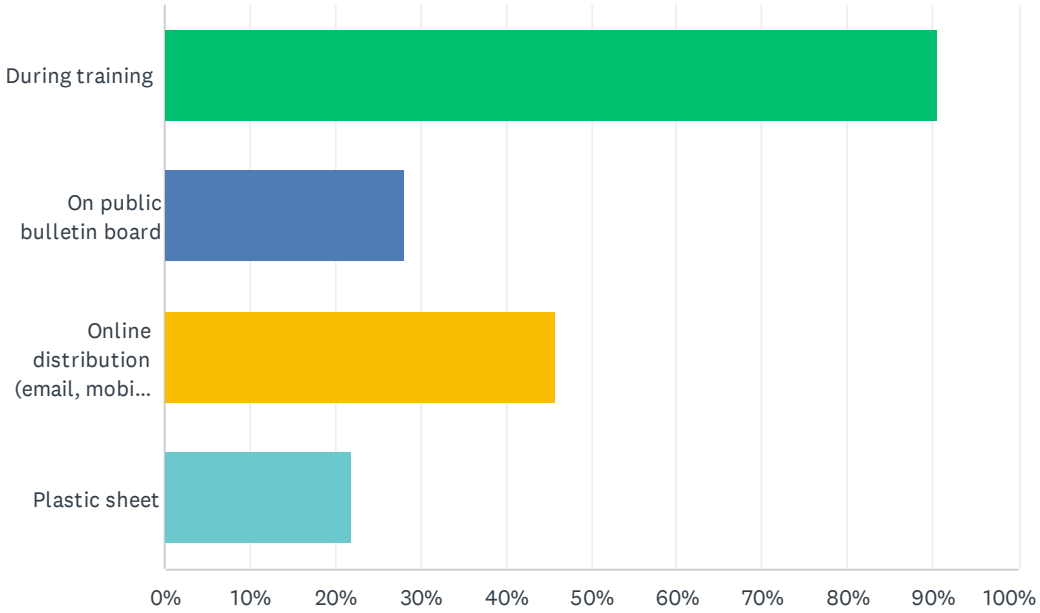
ANSWER CHOICES	RESPONSES
0-2%	31.03%
3-5%	7.76%
6-10%	18.97%
11-20%	12.07%
20+%	30.17%
TOTAL	

Q12 Does your facility have a policy in place on energized work?



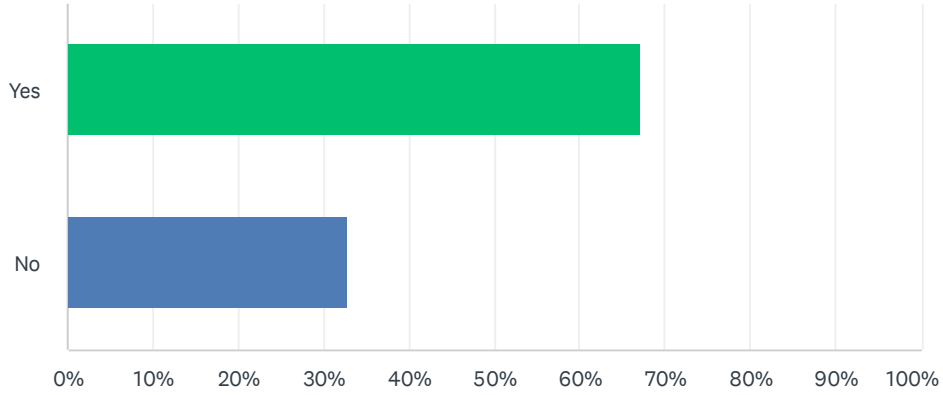
ANSWER CHOICES	RESPONSES
Yes	82.61%
No	17.39%
TOTAL	

Q13 If the answer is yes to question 12, how do you communicate this policy? Please check all that apply.



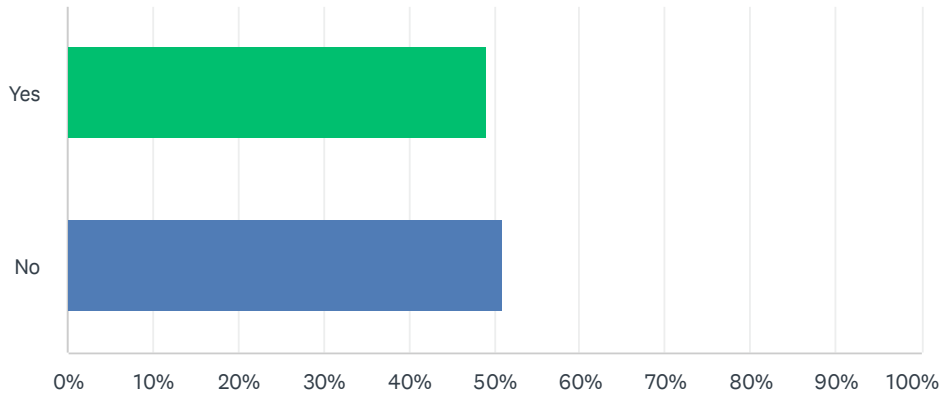
ANSWER CHOICES	RESPONSES
During training	90.63%
On public bulletin board	28.13%
Online distribution (email, mobile alert, etc.)	45.83%
Plastic sheet	21.88%

Q14 Have you been trained specifically for arc flash?



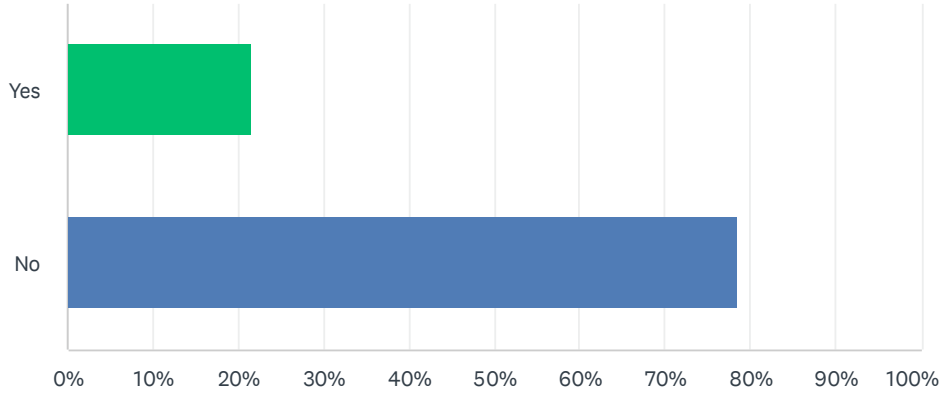
ANSWER CHOICES	RESPONSES
Yes	67.24%
No	32.76%
TOTAL	

Q15 Have you done an arc flash study on your gear?



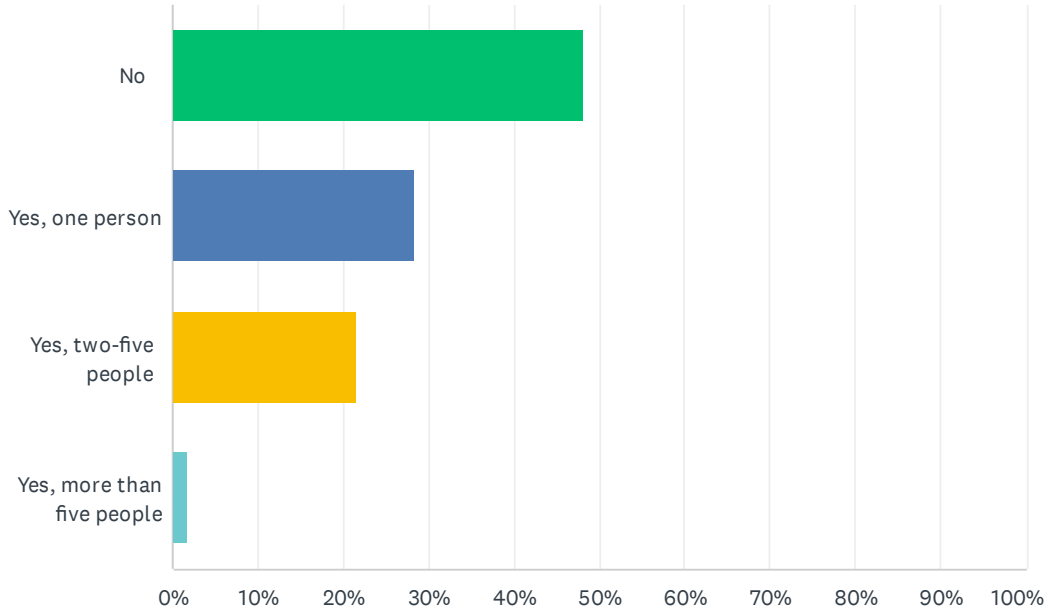
ANSWER CHOICES	RESPONSES
Yes	49.14%
No	50.86%
TOTAL	

Q16 Have you ever been involved in an arc flash incident?



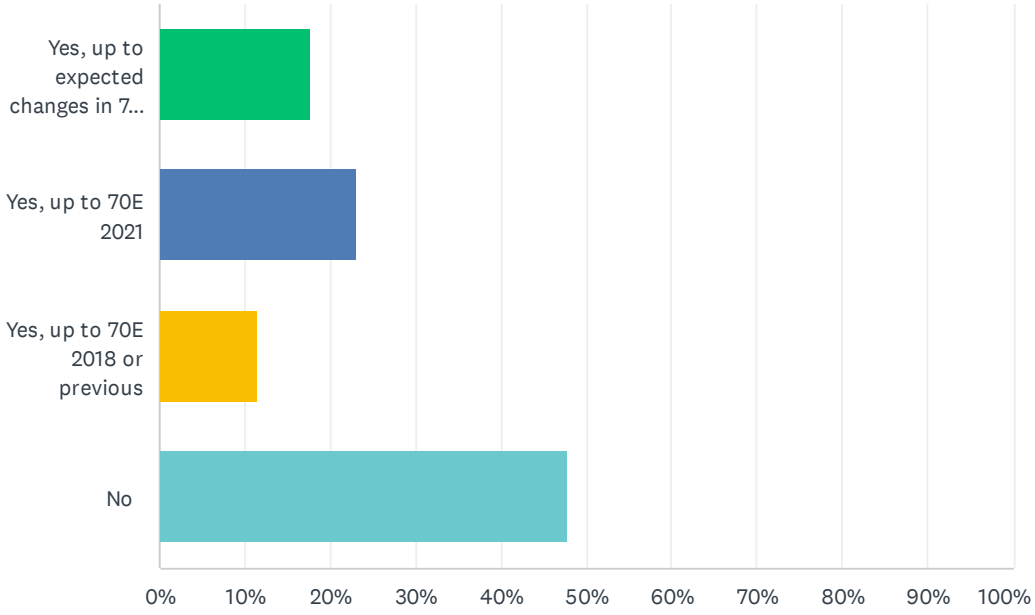
ANSWER CHOICES	RESPONSES
Yes	21.55%
No	78.45%
TOTAL	

Q17 Do you know someone who has been involved in an arc flash incident?



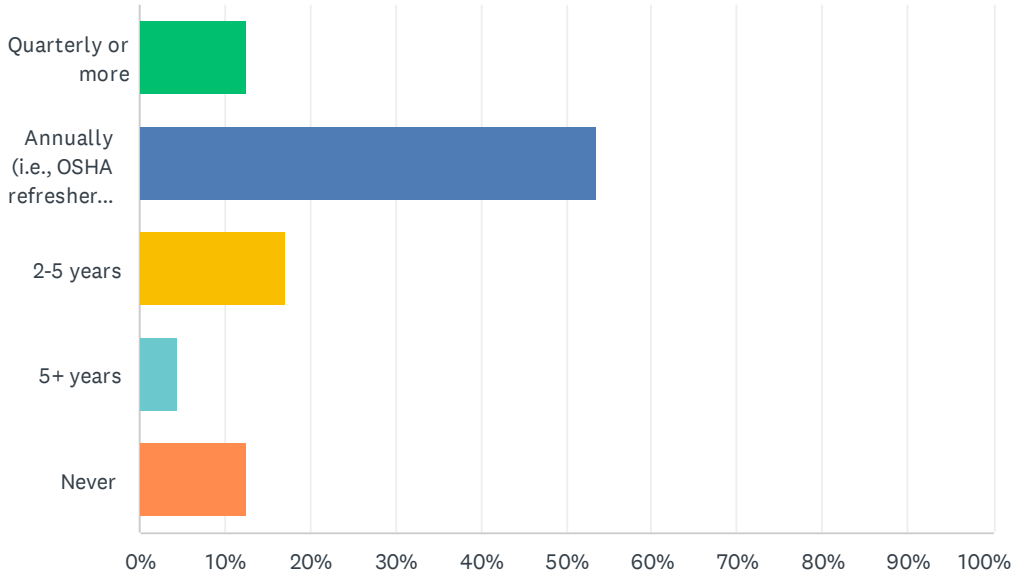
ANSWER CHOICES	RESPONSES
No	48.28%
Yes, one person	28.45%
Yes, two-five people	21.55%
Yes, more than five people	1.72%
TOTAL	

Q18 Have you received training on NFPA 70E?



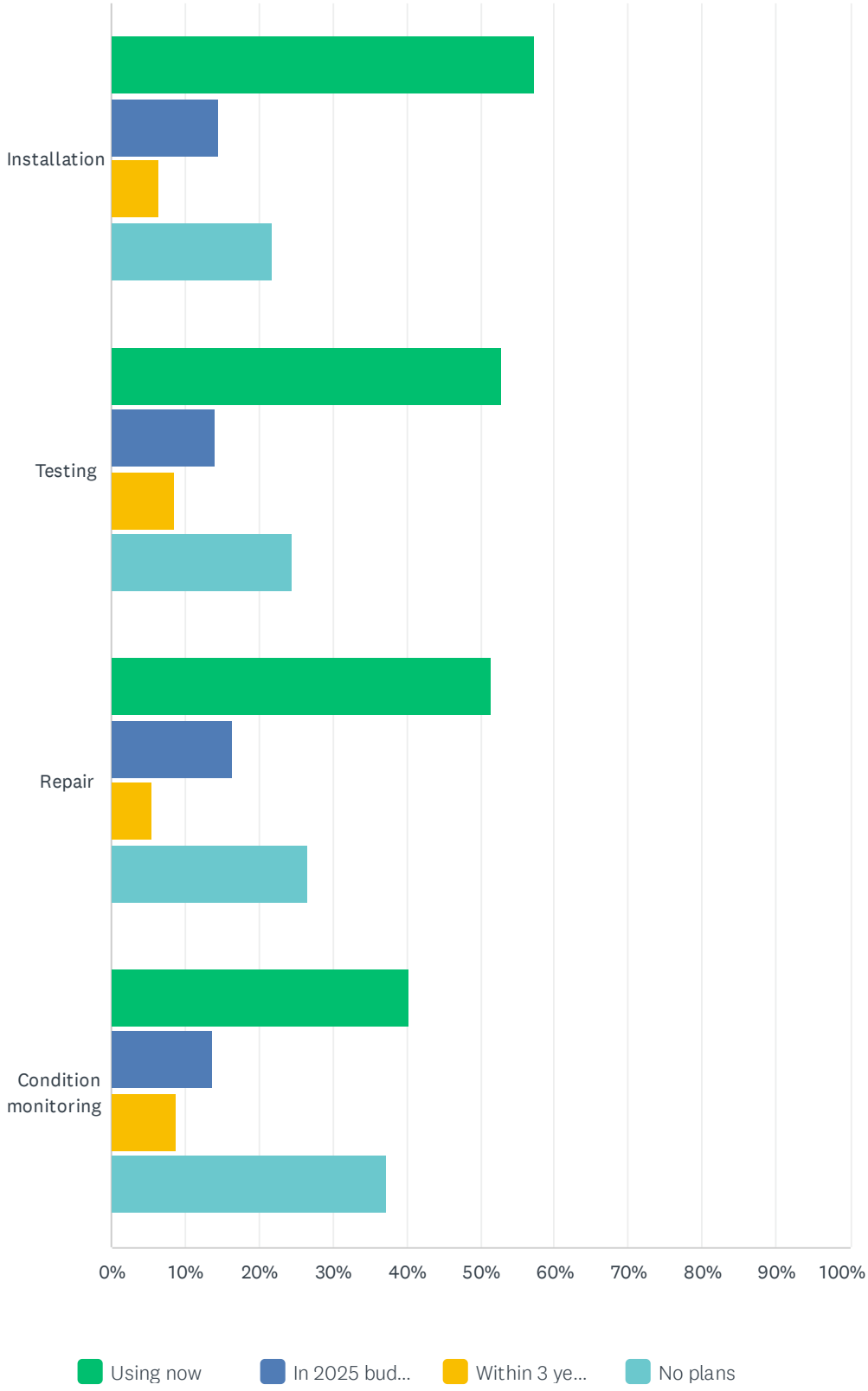
ANSWER CHOICES	RESPONSES
Yes, up to expected changes in 70E 2024	17.70%
Yes, up to 70E 2021	23.01%
Yes, up to 70E 2018 or previous	11.50%
No	47.79%
TOTAL	

Q19 How often are workers at your facility required to take electrical safety training?



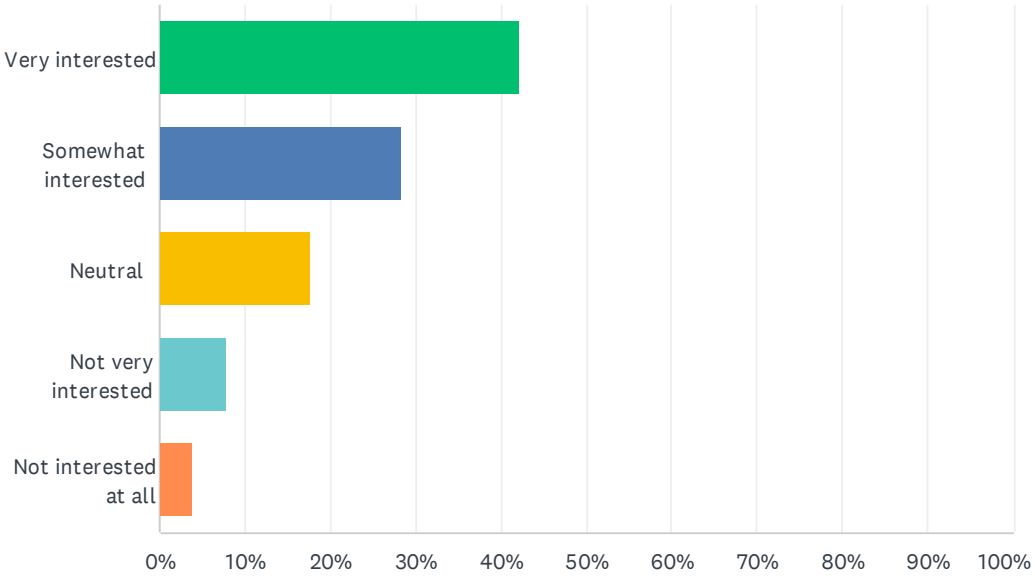
ANSWER CHOICES	RESPONSES
Quarterly or more	12.50%
Annually (i.e., OSHA refresher course)	53.57%
2-5 years	16.96%
5+ years	4.46%
Never	12.50%
TOTAL	

Q20 Which types of electrical work does your facility contract out?



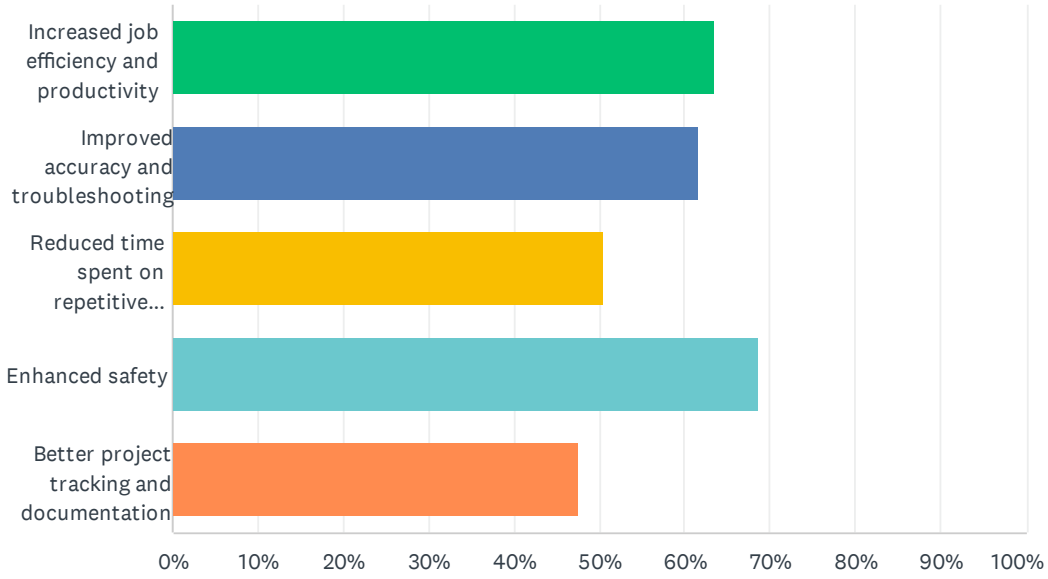
	USING NOW	IN 2025 BUDGET	WITHIN 3 YEARS	NO PLANS
Installation	57.27%	14.55%	6.36%	21.82%
Testing	52.83%	14.15%	8.49%	24.53%
Repair	51.38%	16.51%	5.50%	26.61%
Condition monitoring	40.20%	13.73%	8.82%	37.25%

Q21 How interested are you in using smart tools (e.g., devices that collect and process data in real-time and provide actionable insights) to improve your safety and daily work efficiency as an electrician?



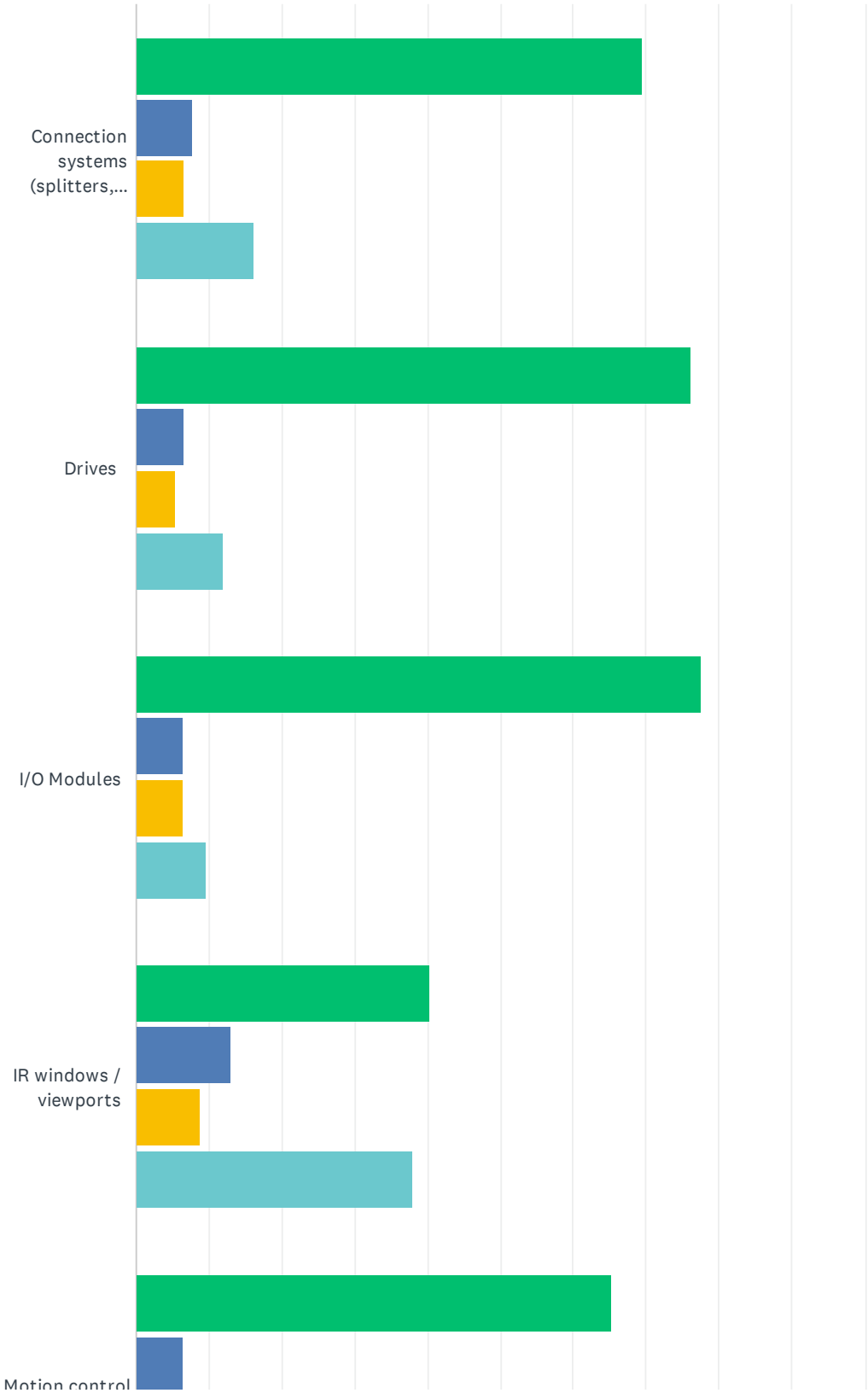
ANSWER CHOICES	RESPONSES
Very interested	42.16%
Somewhat interested	28.43%
Neutral	17.65%
Not very interested	7.84%
Not interested at all	3.92%
TOTAL	

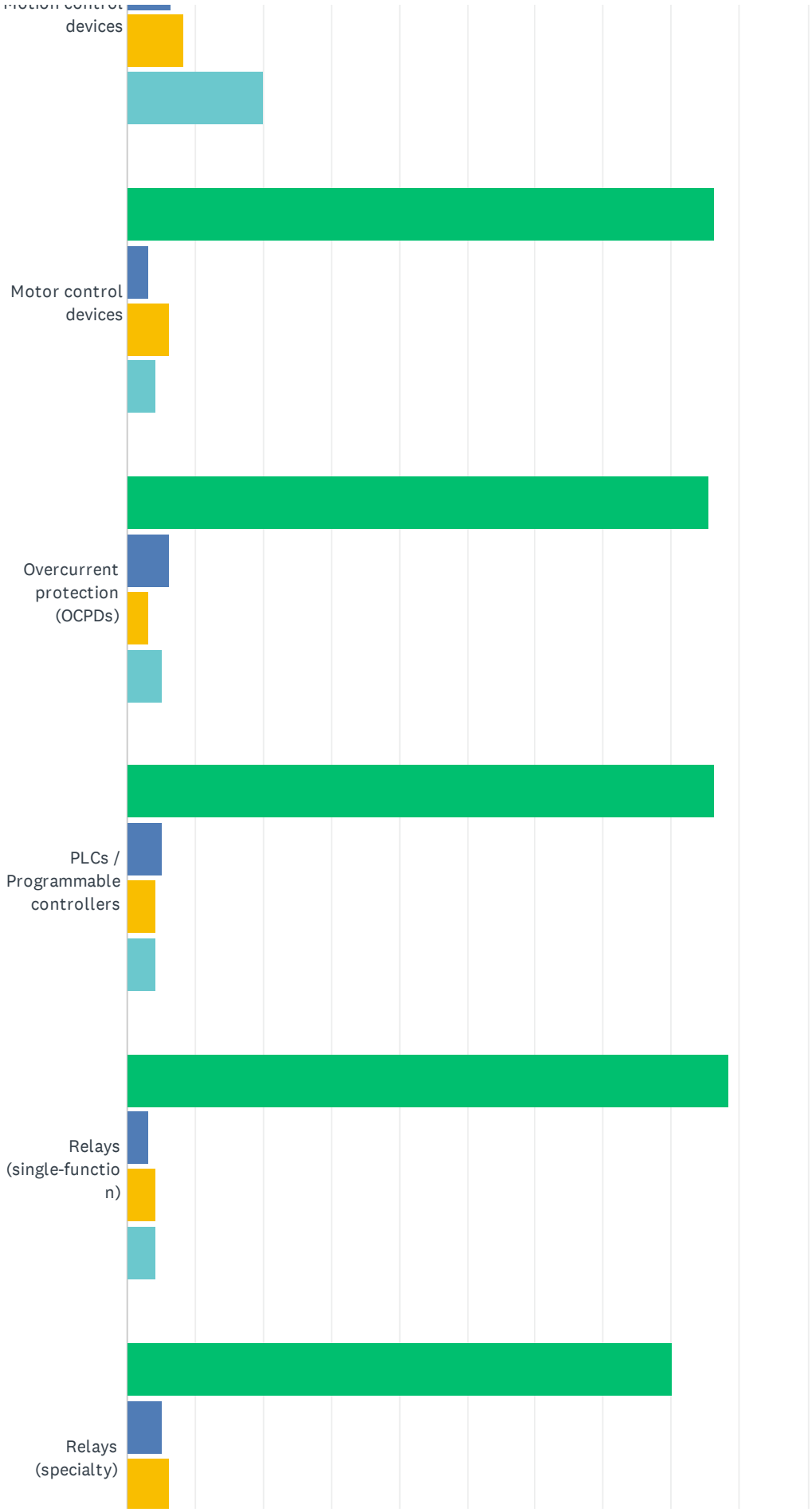
Q22 Which of the following benefits do you believe smart tools would provide in your work as an electrician? (Check all that apply)

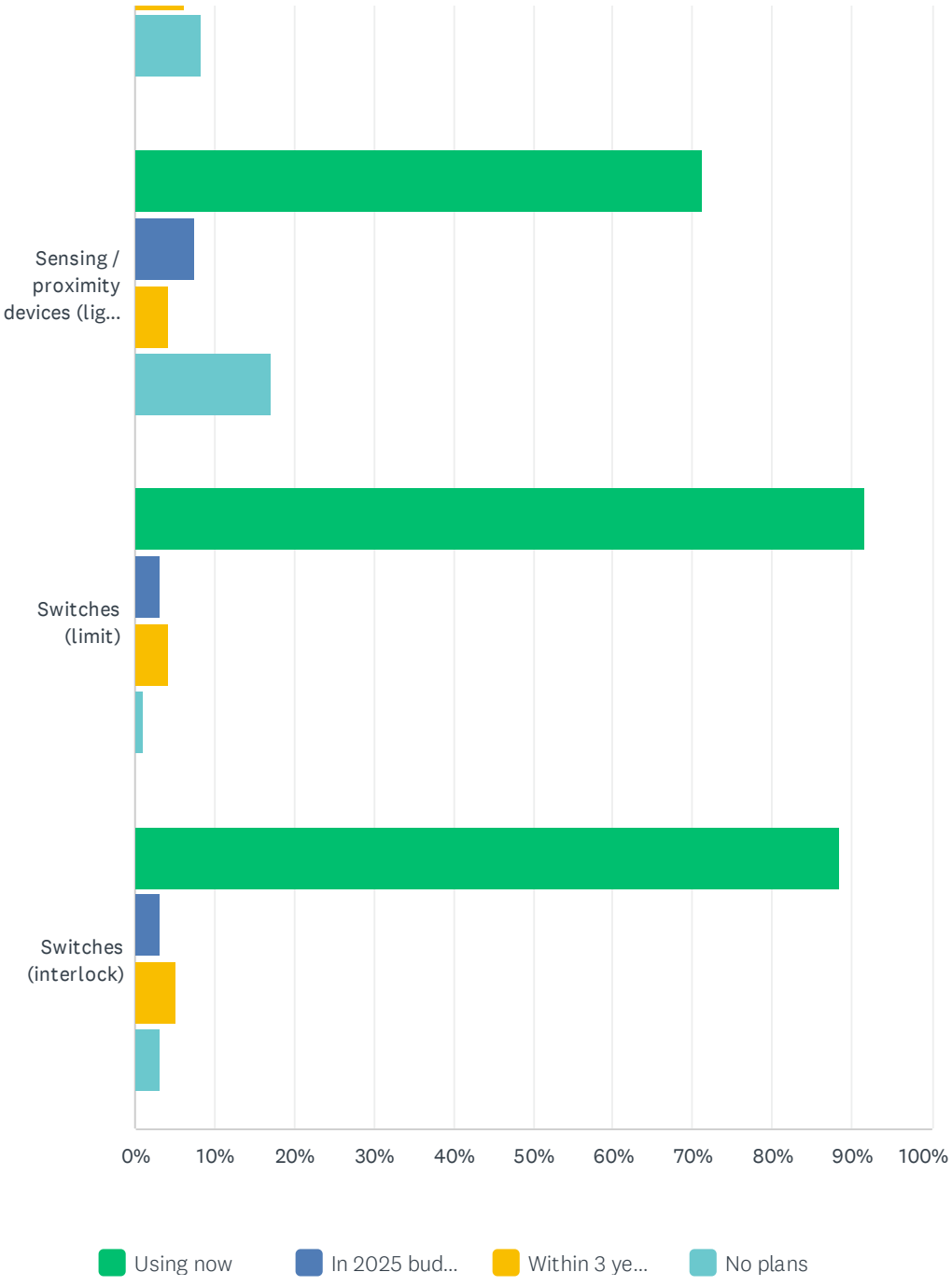


ANSWER CHOICES	RESPONSES
Increased job efficiency and productivity	63.64%
Improved accuracy and troubleshooting	61.62%
Reduced time spent on repetitive tasks	50.51%
Enhanced safety	68.69%
Better project tracking and documentation	47.47%
Total Respondents:	

Q23 What of the following safety technologies (or devices with electrical safety features) are currently deployed in your facility?

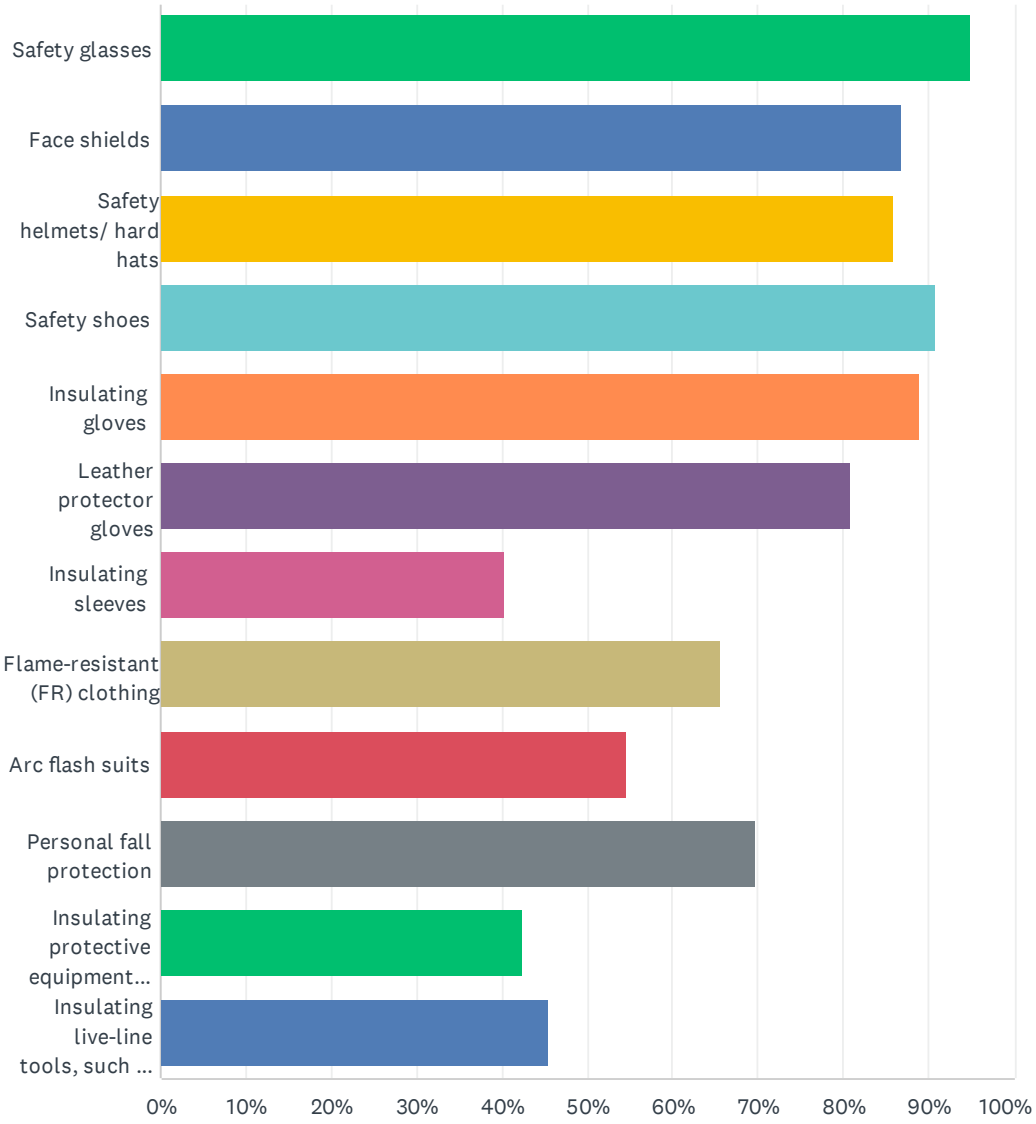



devices
Motor control devices
Overcurrent protection (OCPDs)
PLCs / Programmable controllers
Relays (single-functio n)
Relays (specialty)


Sensing / proximity devices (lig...
Switches (limit)
Switches (interlock)
0%
10%
20%
30%
40%
50%
60%
70%
80%
90%
100%
Using now
In 2025 bud...
Within 3 ye...
No plans

	USING NOW	IN 2025 BUDGET	WITHIN 3 YEARS	NO PLANS
Connection systems (splitters, plugs, etc.)	69.57%	7.61%	6.52%	16.30%
Drives	76.09%	6.52%	5.43%	11.96%
I/O Modules	77.66%	6.38%	6.38%	9.57%
IR windows / viewports	40.22%	13.04%	8.70%	38.04%
Motion control devices	65.26%	6.32%	8.42%	20.00%
Motor control devices	86.46%	3.13%	6.25%	4.17%
Overcurrent protection (OCPDs)	85.57%	6.19%	3.09%	5.15%
PLCs / Programmable controllers	86.46%	5.21%	4.17%	4.17%
Relays (single-function)	88.54%	3.13%	4.17%	4.17%
Relays (specialty)	80.21%	5.21%	6.25%	8.33%
Sensing / proximity devices (light curtains, laser scanners, mats, etc.)	71.28%	7.45%	4.26%	17.02%
Switches (limit)	91.67%	3.13%	4.17%	1.04%
Switches (interlock)	88.54%	3.13%	5.21%	3.13%

Q24 What types of Personal Protective Equipment (PPE) are available to you when working on or near live electrical equipment? Please check all that apply.



ANSWER CHOICES	RESPONSES
Safety glasses	94.95%
Face shields	86.87%
Safety helmets/ hard hats	85.86%
Safety shoes	90.91%
Insulating gloves	88.89%
Leather protector gloves	80.81%
Insulating sleeves	40.40%
Flame-resistant (FR) clothing	65.66%
Arc flash suits	54.55%
Personal fall protection	69.70%
Insulating protective equipment (IPE), such as line hoses, rubber hoods, rubber blankets	42.42%
Insulating live-line tools, such as hotsticks, switchsticks, or shotgun sticks	45.45%
Total Respondents:	