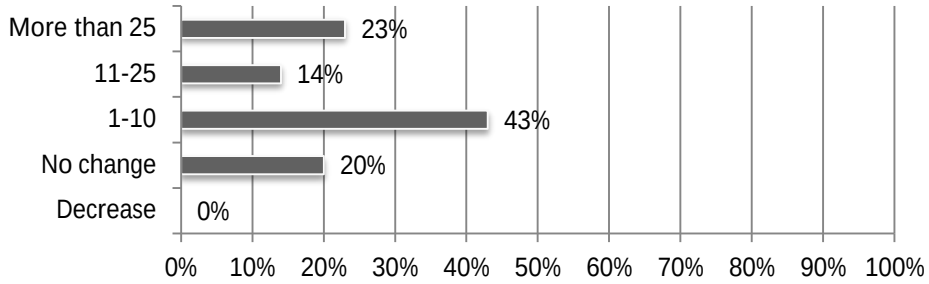
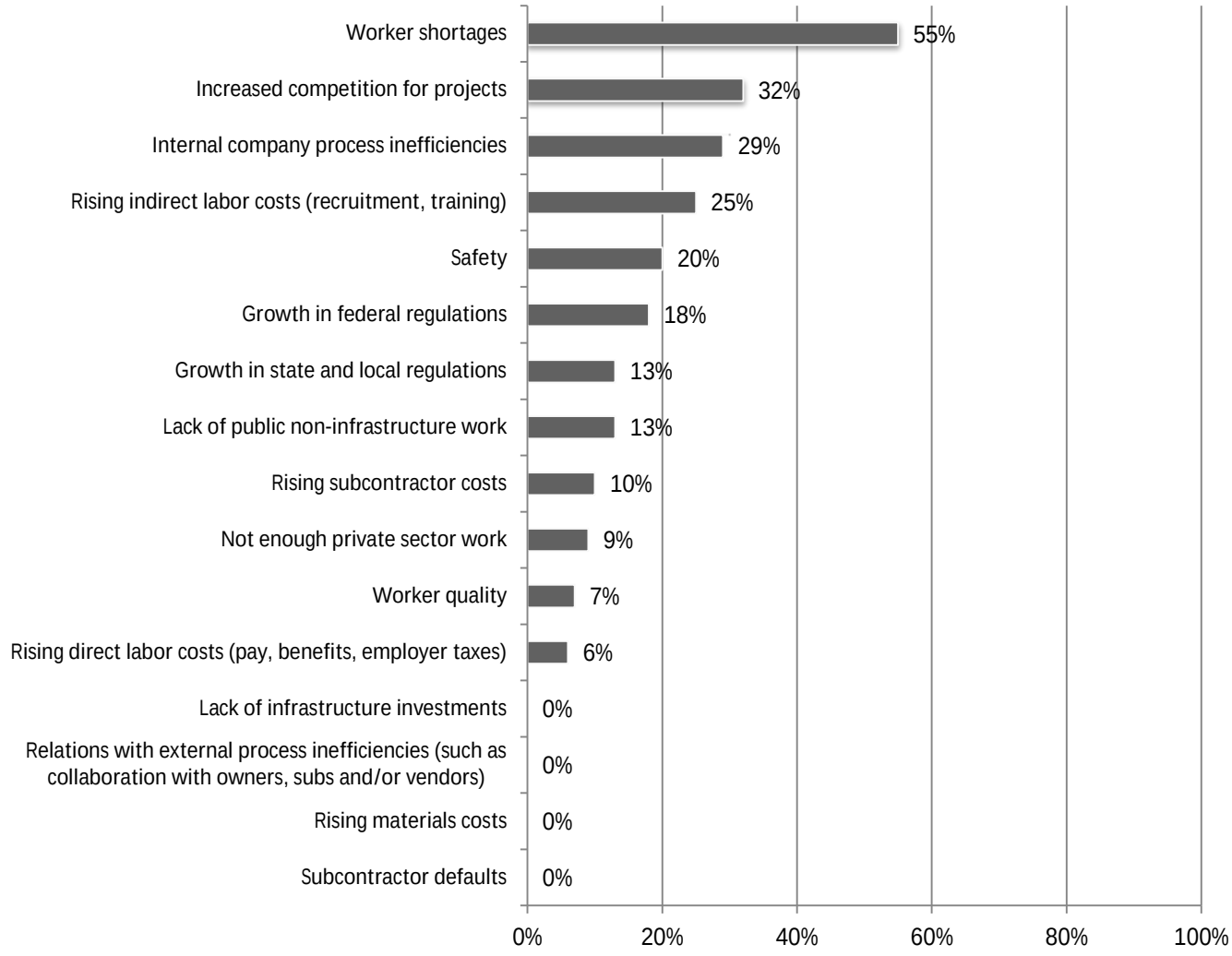
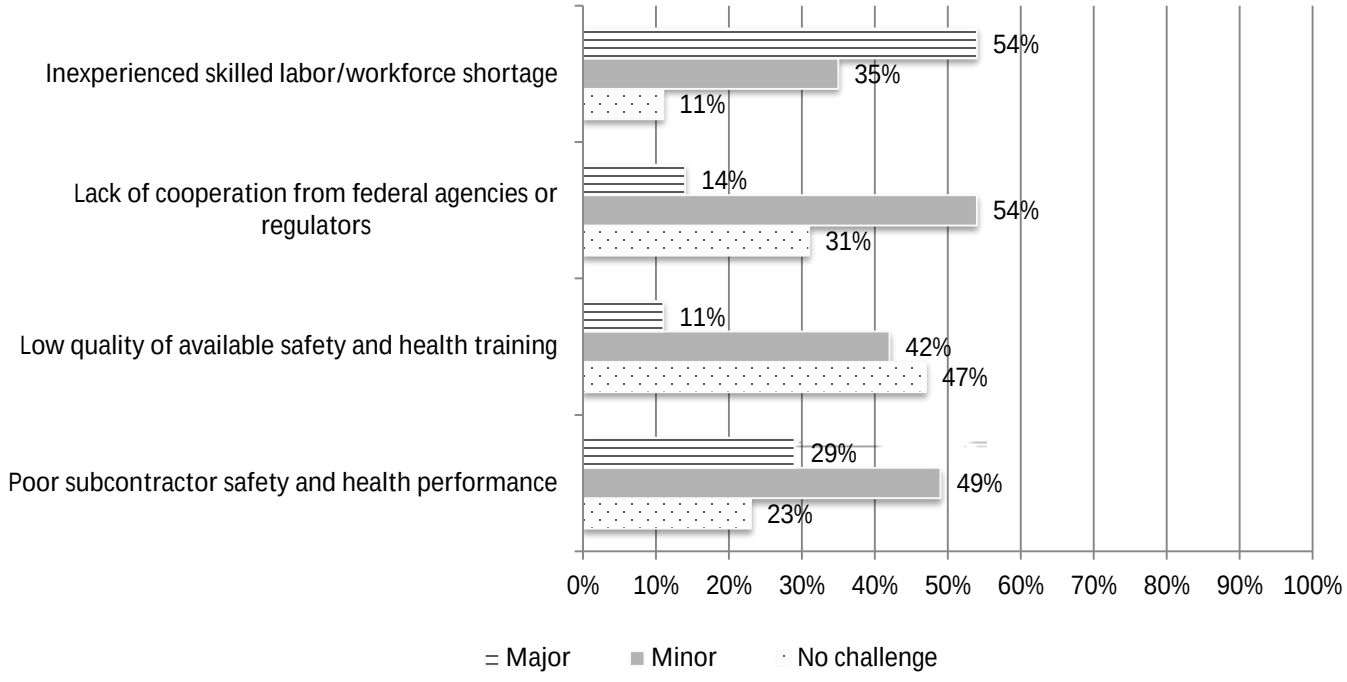
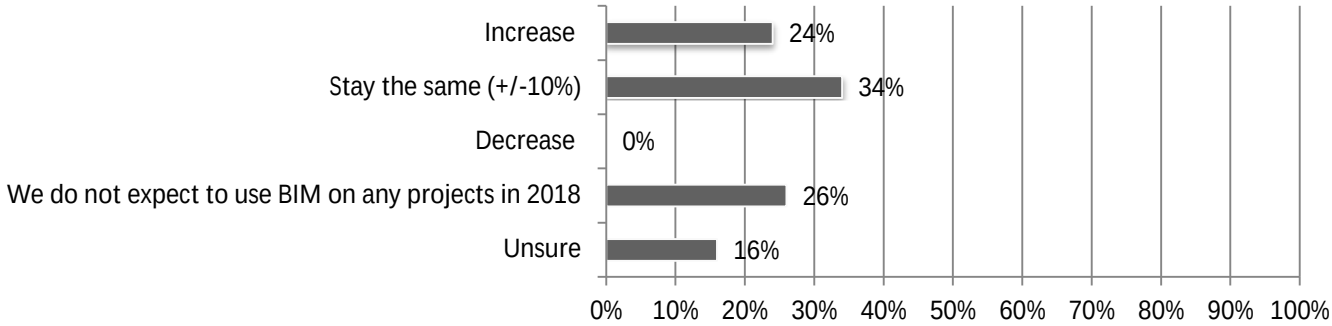
All projects	78%	0%	22%	78%
Hospital	64%	0%	36%	64%

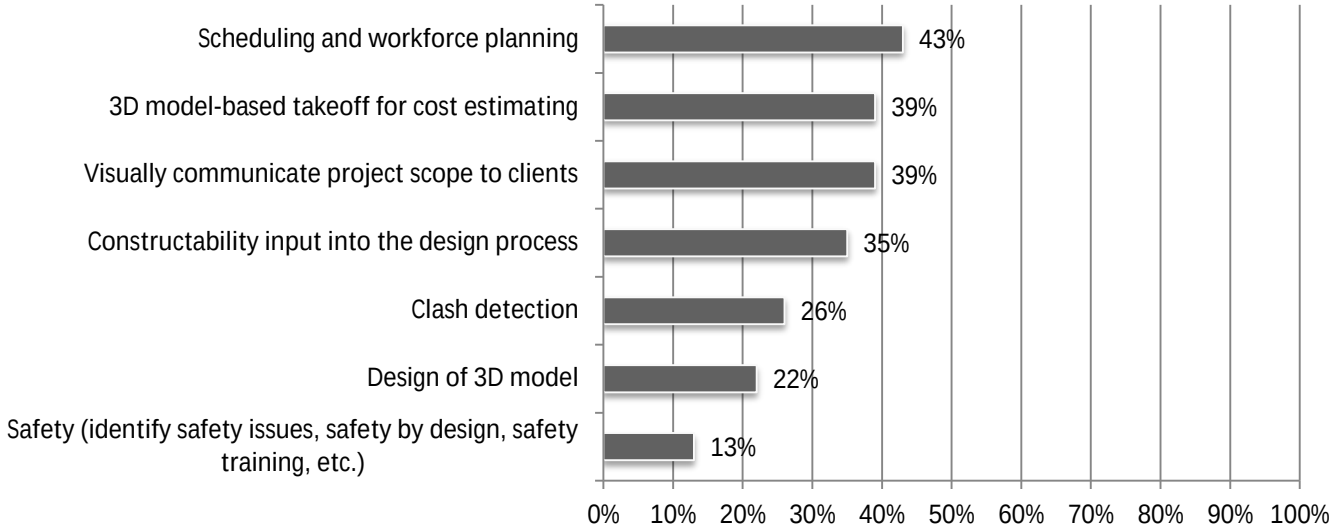
**Net eljƶală diffeℕence beűǿeen nƶmbeℕ 2f áHigheℕé and áL2ǿeℕé ℕeăLJ2năeă aă LJeℕcenű 2f ű2űalℙ*

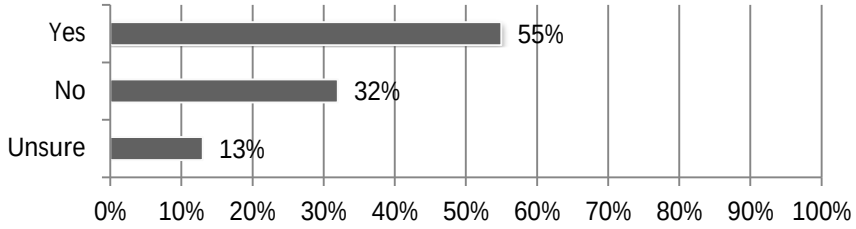


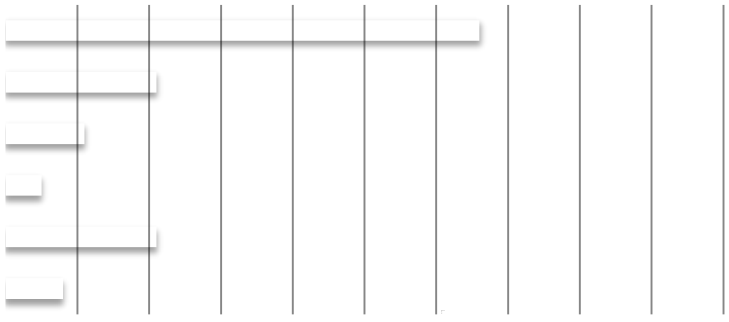

Worker shortages
55%
Increased competition for projects
32%
Internal company process inefficiencies
29%
Rising indirect labor costs (recruitment, training)
25%
Safety
20%
Growth in federal regulations
18%
Growth in state and local regulations
13%
Lack of public non-infrastructure work
13%
Rising subcontractor costs
10%
Not enough private sector work
9%
Worker quality
7%
Rising direct labor costs (pay, benefits, employer taxes)
6%
Lack of infrastructure investments
0%
Relations with external process inefficiencies (such as collaboration with owners, subs and/or vendors)
0%
Rising materials costs
0%
Subcontractor defaults
0%
0%
20%
40%
60%
80%
100%

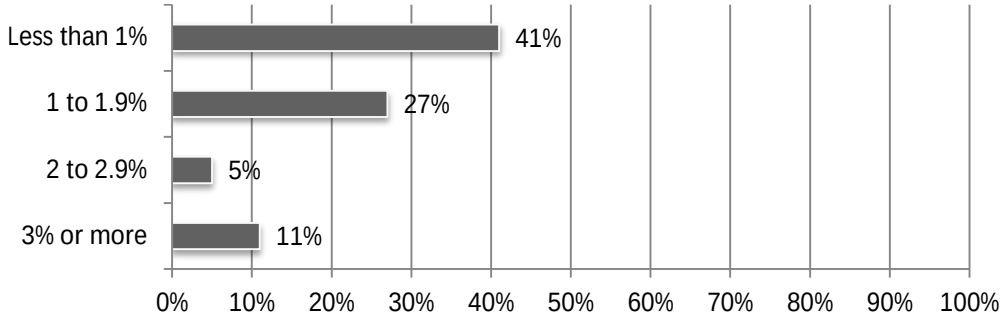

Inexperienced skilled labor/workforce shortage
54%
35%
11%
Lack of cooperation from federal agencies or regulators
14%
54%
31%
Low quality of available safety and health training
11%
42%
47%
Poor subcontractor safety and health performance
29%
49%
23%
0%
10%
20%
30%
40%
50%
60%
70%
80%
90%
100%
Major
Minor
No challenge

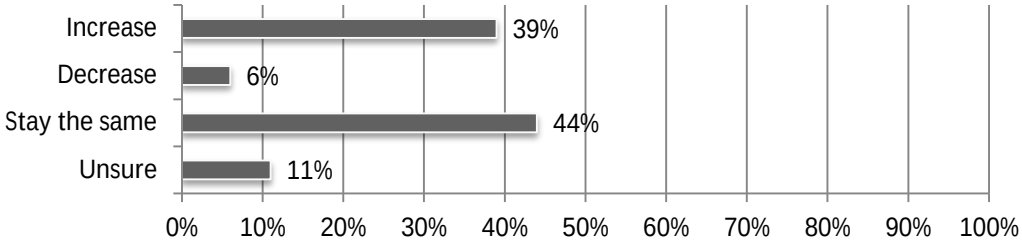

Increase
24%
Stay the same (+/-10%)
34%
Decrease
0%
We do not expect to use BIM on any projects in 2018
26%
Unsure
16%
0%
10%
20%
30%
40%
50%
60%
70%
80%
90%
100%


Scheduling and workforce planning
43%
3D model-based takeoff for cost estimating
39%
Visually communicate project scope to clients
39%
Constructability input into the design process
35%
Clash detection
26%
Design of 3D model
22%
Safety (identify safety issues, safety by design, safety training, etc.)
13%
0%
10%
20%
30%
40%
50%
60%
70%
80%
90%
100%

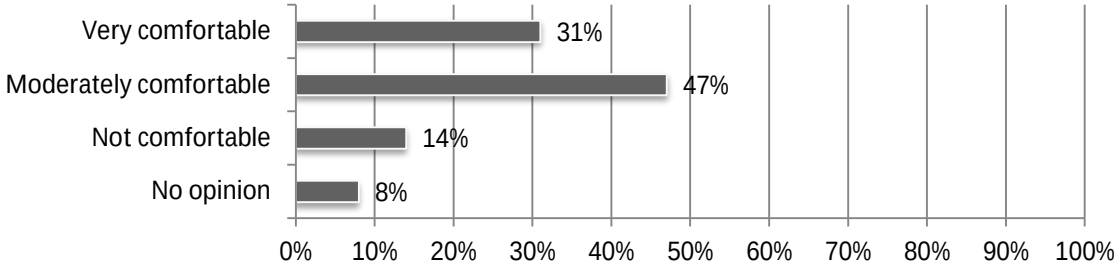

Yes
55%
No
32%
Unsure
13%
0%
10%
20%
30%
40%
50%
60%
70%
80%
90%
100%

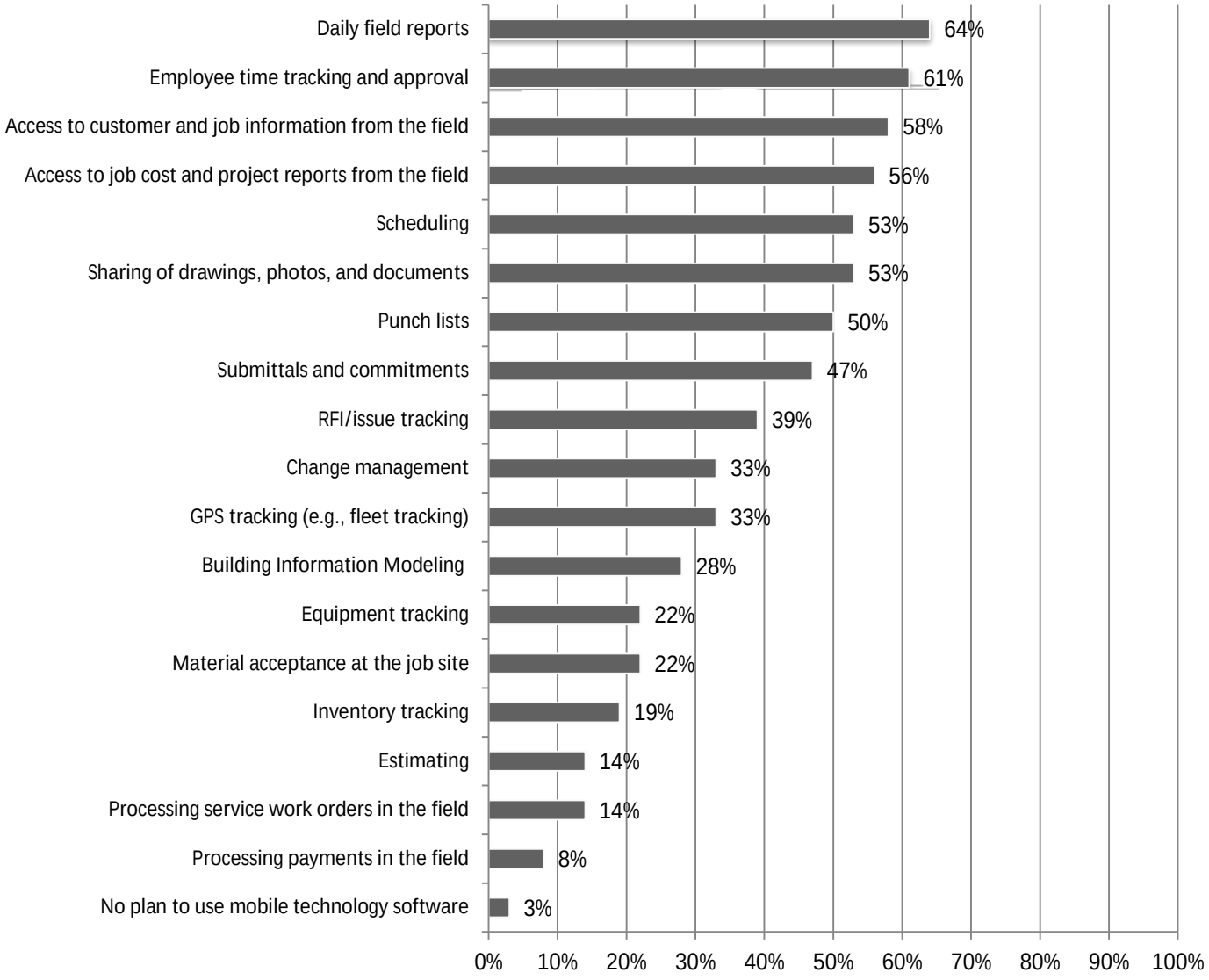


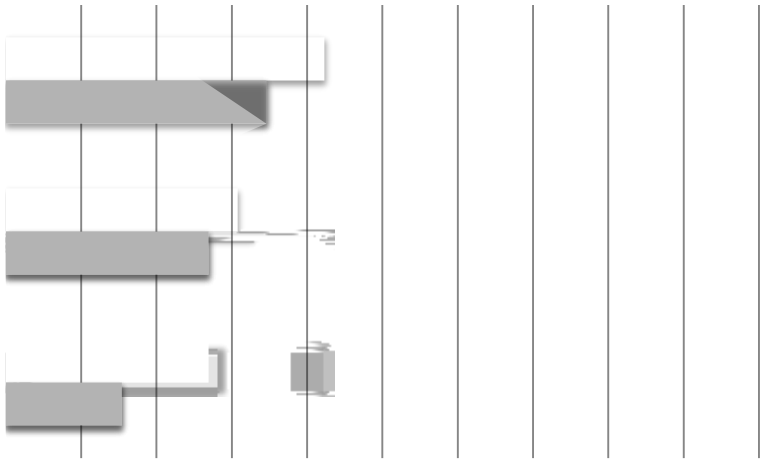


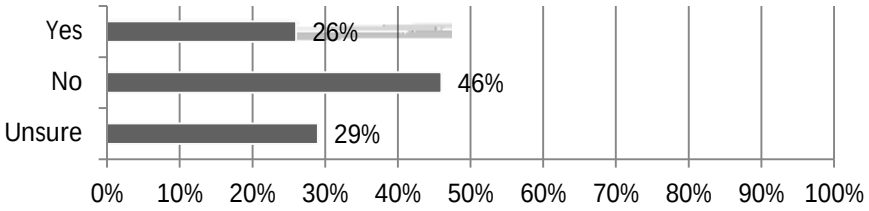


Accounting software	17%	80%	0%	3%
Building Information Modeling	24%	52%	0%	24%
Client relationship management software	20%	60%	0%	20%
Document management software	33%	52%	3%	12%
Estimating software	26%	71%	0%	3%
Fleet tracking/management software	27%	55%	0%	18%
Human resources software	21%	61%	0%	18%
Payroll software	12%	76%	0%	12%
Prequalification software	3%	68%	0%	29%
Project collaboration software	18%	64%	0%	18%
Project management software	41%	44%	0%	15%
Scheduling software	24%	67%	0%	9%
Service management software	12%	58%	0%	30%
Subcontractor bid management/ITB software	10%	65%	0%	26%




Daily field reports
64%
Employee time tracking and approval
61%
Access to customer and job information from the field
58%
Access to job cost and project reports from the field
56%
Scheduling
53%
Sharing of drawings, photos, and documents
53%
Punch lists
50%
Submittals and commitments
47%
RFI/issue tracking
39%
Change management
33%
GPS tracking (e.g., fleet tracking)
33%
Building Information Modeling
28%
Equipment tracking
22%
Material acceptance at the job site
22%
Inventory tracking
19%
Estimating
14%
Processing service work orders in the field
14%
Processing payments in the field
8%
No plan to use mobile technology software
3%
0%
10%
20%
30%
40%
50%
60%
70%
80%
90%
100%




Yes
No
Unsure
26%
46%
29%
0%
10%
20%
30%
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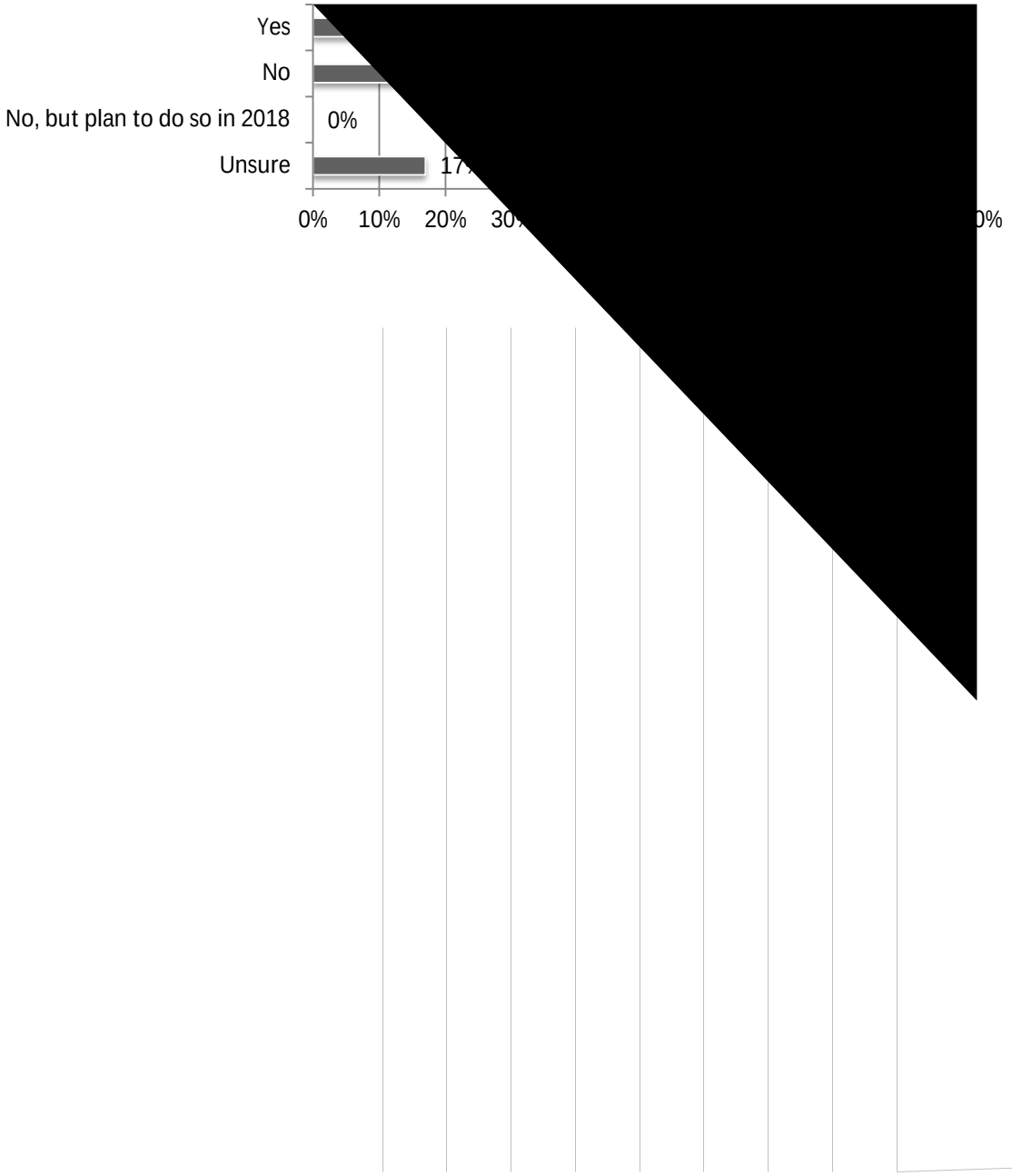
80%
90%
100%


Yes
No
No, but plan to do so in 2018
Unsure
0%
0%
10%
20%