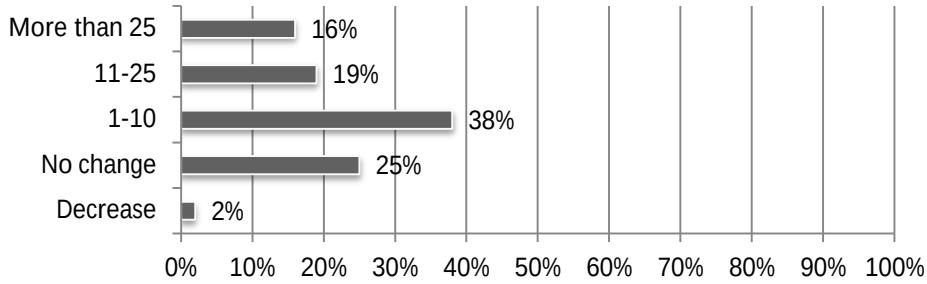
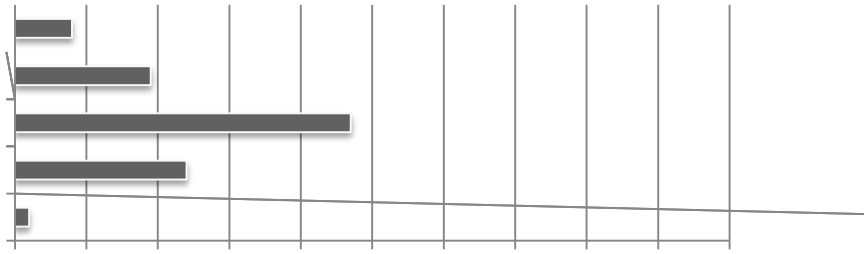
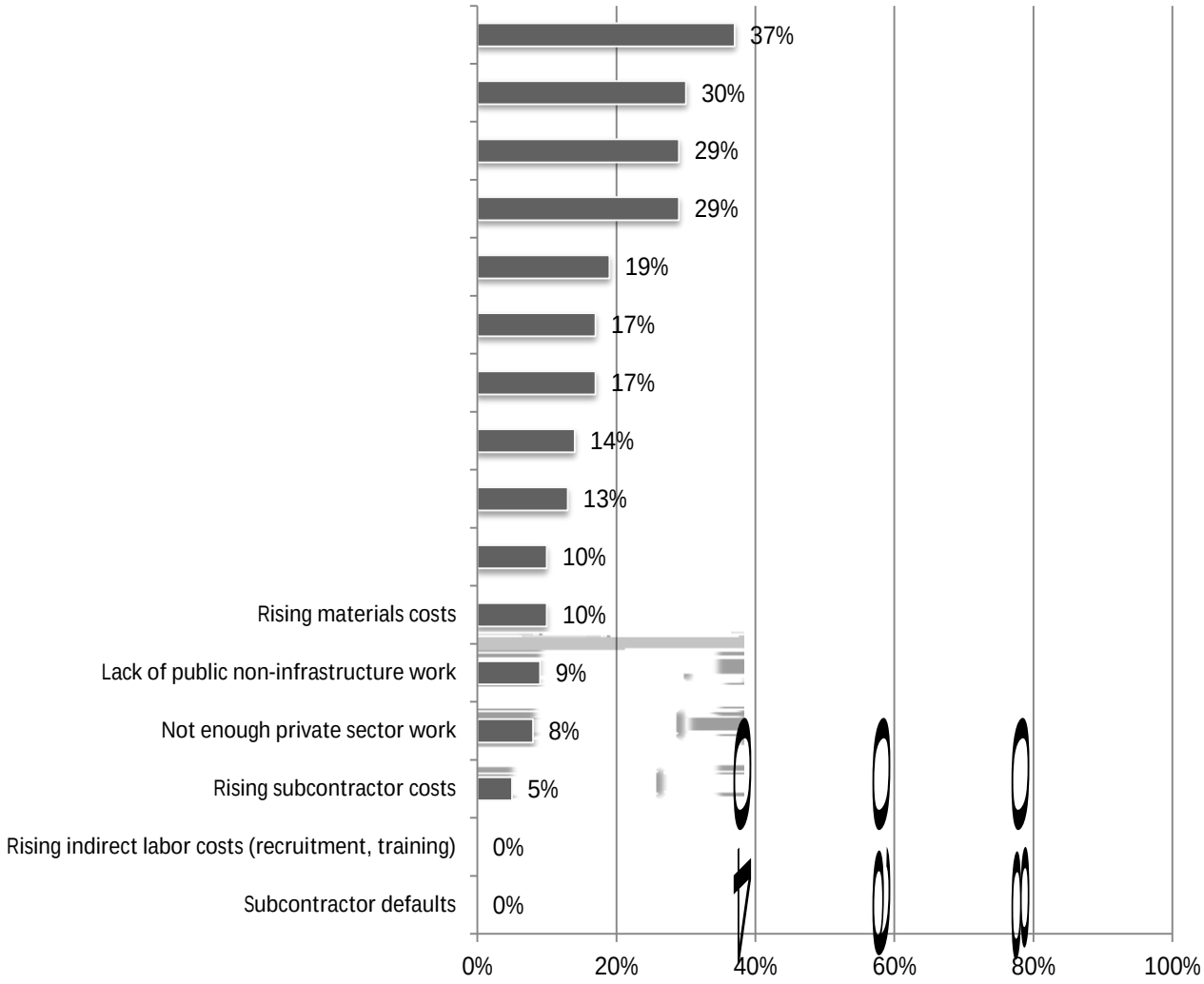
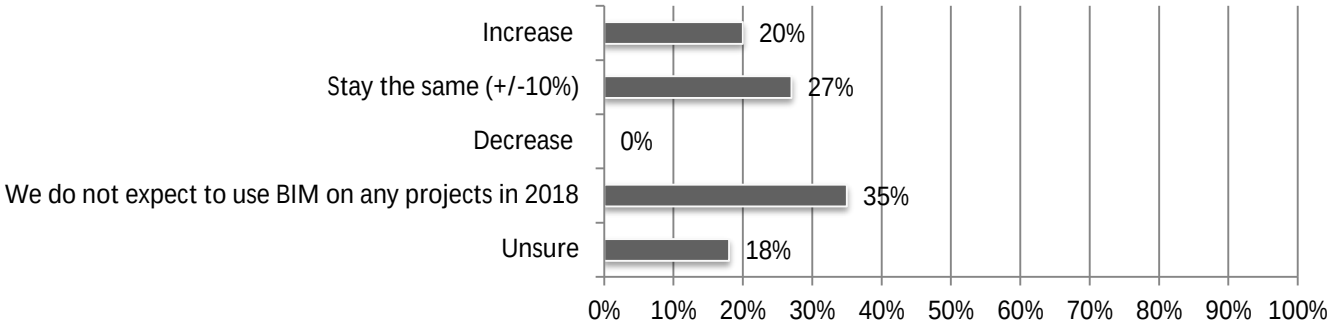
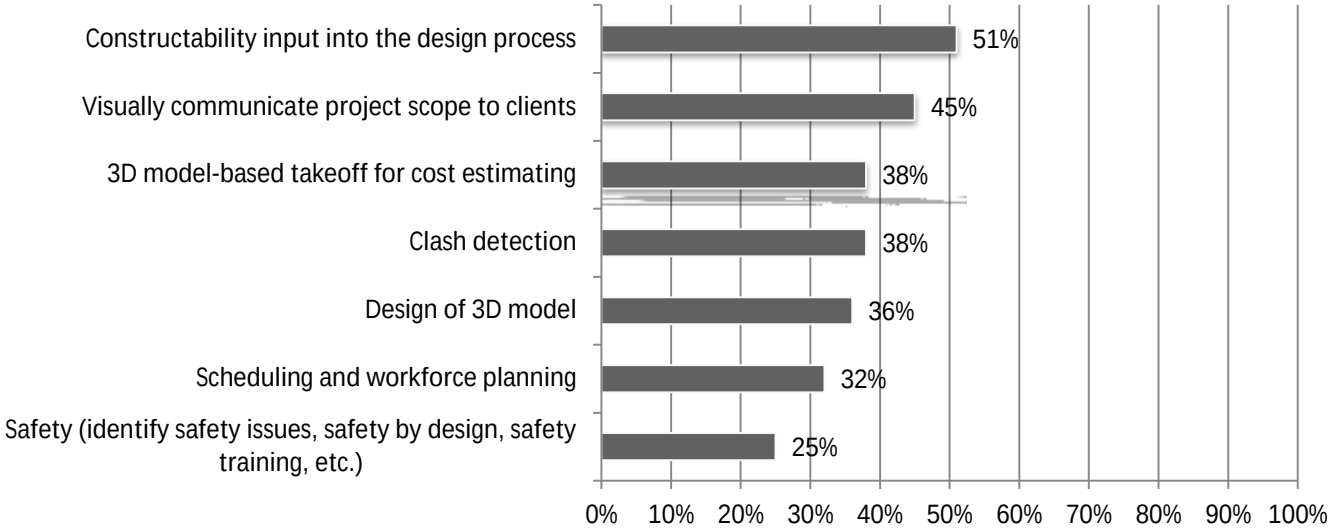
**Net eljƶală diffeℕence beűǿeen nƶmbeℕ 2f áHighe℠é and áL2ǿe℠é ℕeăLJ2năeă aă LJeℕcenű 2f ű2űal℗*

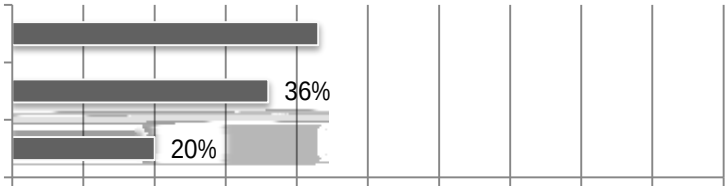


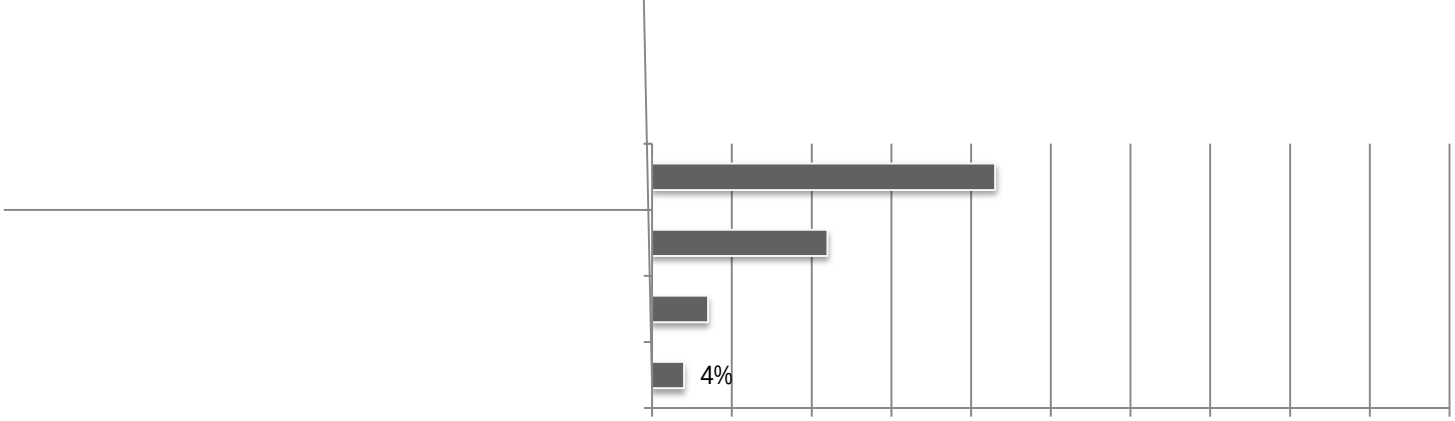



37%
30%
29%
29%
19%
17%
17%
14%
13%
10%
10%
9%
8%
5%
0%
0%
Rising materials costs
Lack of public non-infrastructure work
Not enough private sector work
Rising subcontractor costs
Rising indirect labor costs (recruitment, training)
Subcontractor defaults
0%
20%
40%
60%
80%
100%


Increase
20%
Stay the same (+/-10%)
27%
Decrease
0%
We do not expect to use BIM on any projects in 2018
35%
Unsure
18%
0% 10% 20% 30% 40% 50% 60% 70% 80% 90% 100%


Constructability input into the design process
51%
Visually communicate project scope to clients
45%
3D model-based takeoff for cost estimating
38%
Clash detection
38%
Design of 3D model
36%
Scheduling and workforce planning
32%
Safety (identify safety issues, safety by design, safety training, etc.)
25%
0% 10% 20% 30% 40% 50% 60% 70% 80% 90% 100%

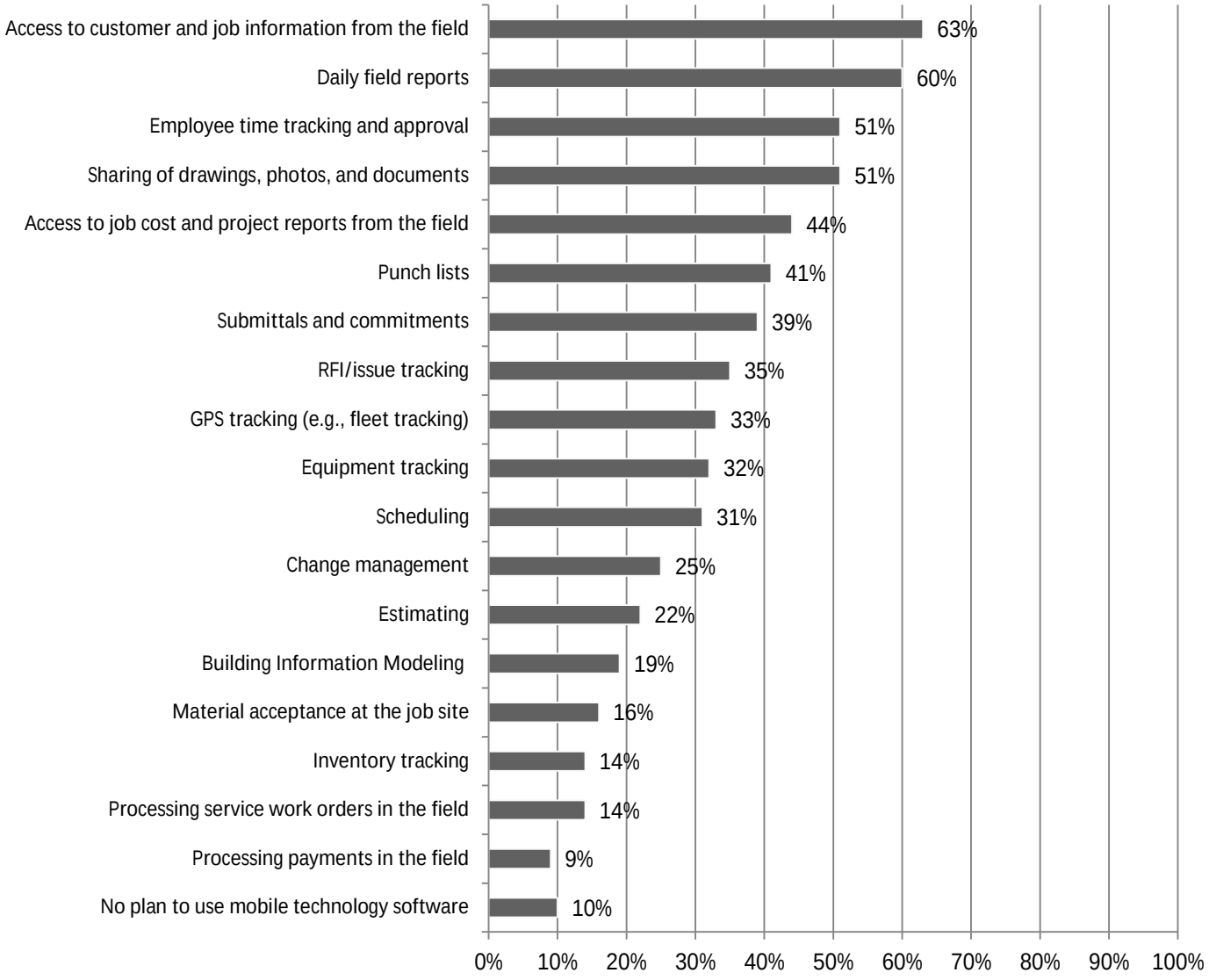

36%
20%

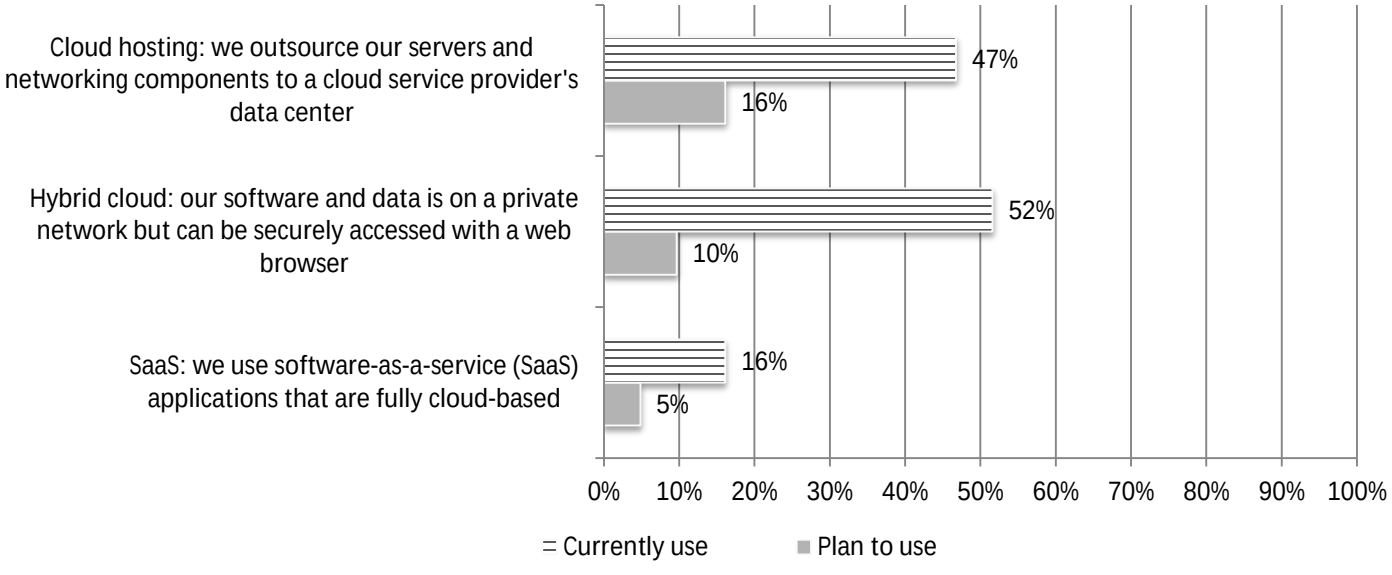


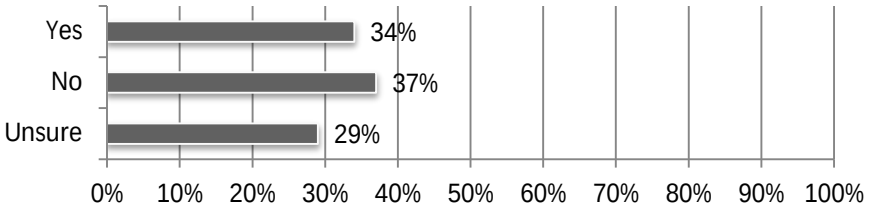
Accounting software	27%	60%	1%	11%
Building Information Modeling	20%	52%	0%	28%
Client relationship management software	23%	53%	0%	24%
Document management software	39%	44%	0%	17%
Estimating software	33%	55%	0%	12%
Fleet tracking/management software	21%	54%	0%	25%
Human resources software	18%	59%	0%	23%
Payroll software	12%	72%	0%	16%

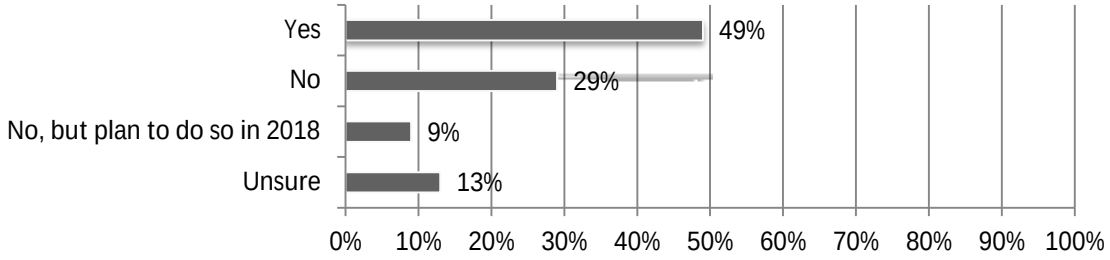
Pre(t)28(i)-17(n)-92 Tc[27%)]Pre0 1 362.13 120.38 Tm[0%)]TE120.38 Tm[0%)]TE120.38 Tm1 0 g

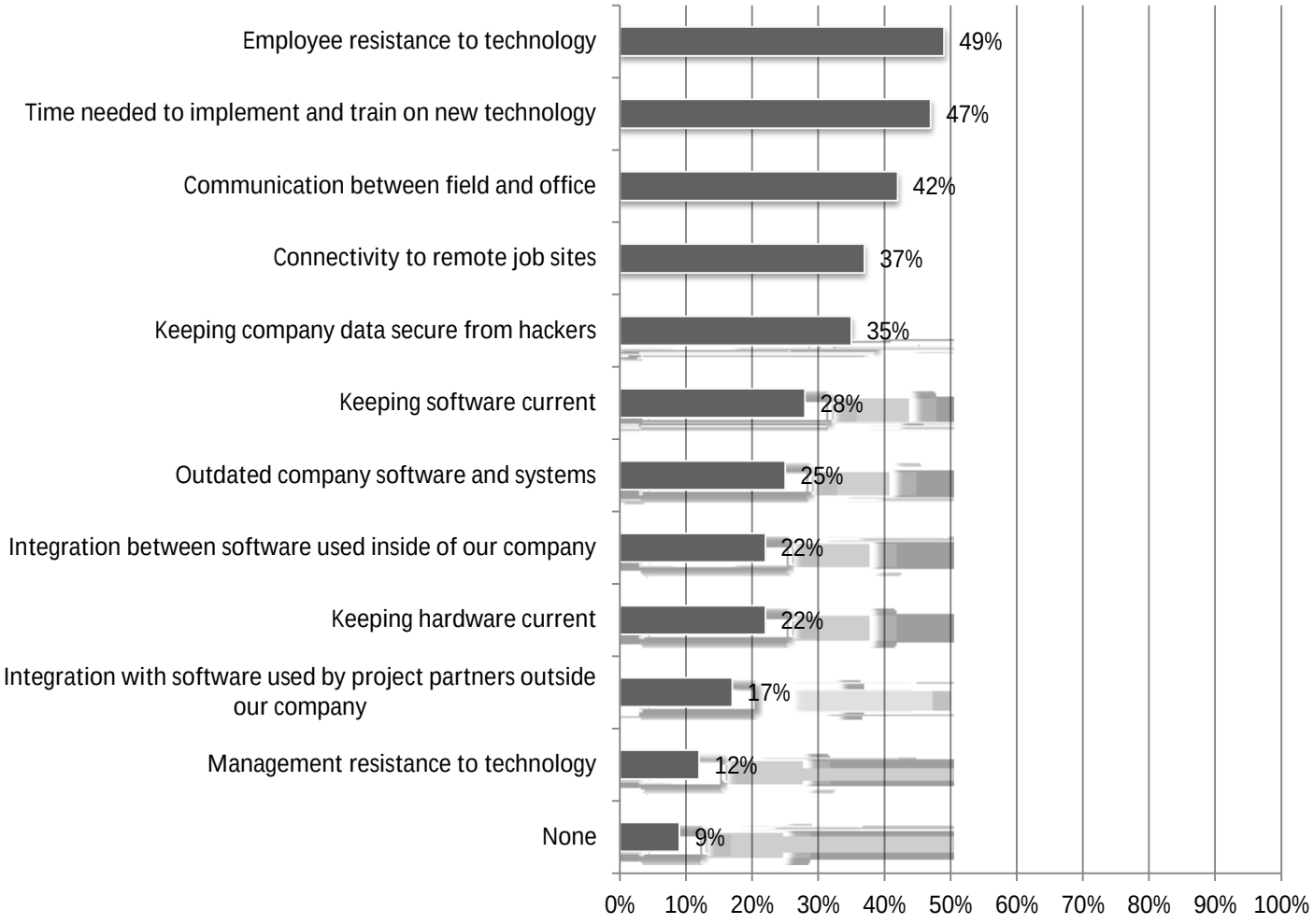
0% mcn


Access to customer and job information from the field
63%
Daily field reports
60%
Employee time tracking and approval
51%
Sharing of drawings, photos, and documents
51%
Access to job cost and project reports from the field
44%
Punch lists
41%
Submittals and commitments
39%
RFI/issue tracking
35%
GPS tracking (e.g., fleet tracking)
33%
Equipment tracking
32%
Scheduling
31%
Change management
25%
Estimating
22%
Building Information Modeling
19%
Material acceptance at the job site
16%
Inventory tracking
14%
Processing service work orders in the field
14%
Processing payments in the field
9%
No plan to use mobile technology software
10%
0%
10%
20%
30%
40%
50%
60%
70%
80%
90%
100%


Cloud hosting: we outsource our servers and networking components to a cloud service provider's data center
47%
16%
Hybrid cloud: our software and data is on a private network but can be securely accessed with a web browser
52%
10%
SaaS: we use software-as-a-service (SaaS) applications that are fully cloud-based
16%
5%
0%
10%
20%
30%
40%
50%
60%
70%
80%
90%
100%
Currently use
Plan to use


Yes
No
Unsure
34%
37%
29%
0%
10%
20%
30%
40%
50%
60%
70%
80%
90%
100%


Yes
No
No, but plan to do so in 2018
Unsure
49%
29%
9%
13%
0%
10%
20%
30%
40%
50%
60%
70%
80%
90%
100%


Employee resistance to technology
Time needed to implement and train on new technology
Communication between field and office
Connectivity to remote job sites
Keeping company data secure from hackers
Keeping software current
Outdated company software and systems
Integration between software used inside of our company
Keeping hardware current
Integration with software used by project partners outside our company
Management resistance to technology
None
49%
47%
42%
37%
35%
28%
25%
22%
22%
17%
12%
9%
0%
10%
20%
30%
40%
50%
60%
70%
80%
90%
100%