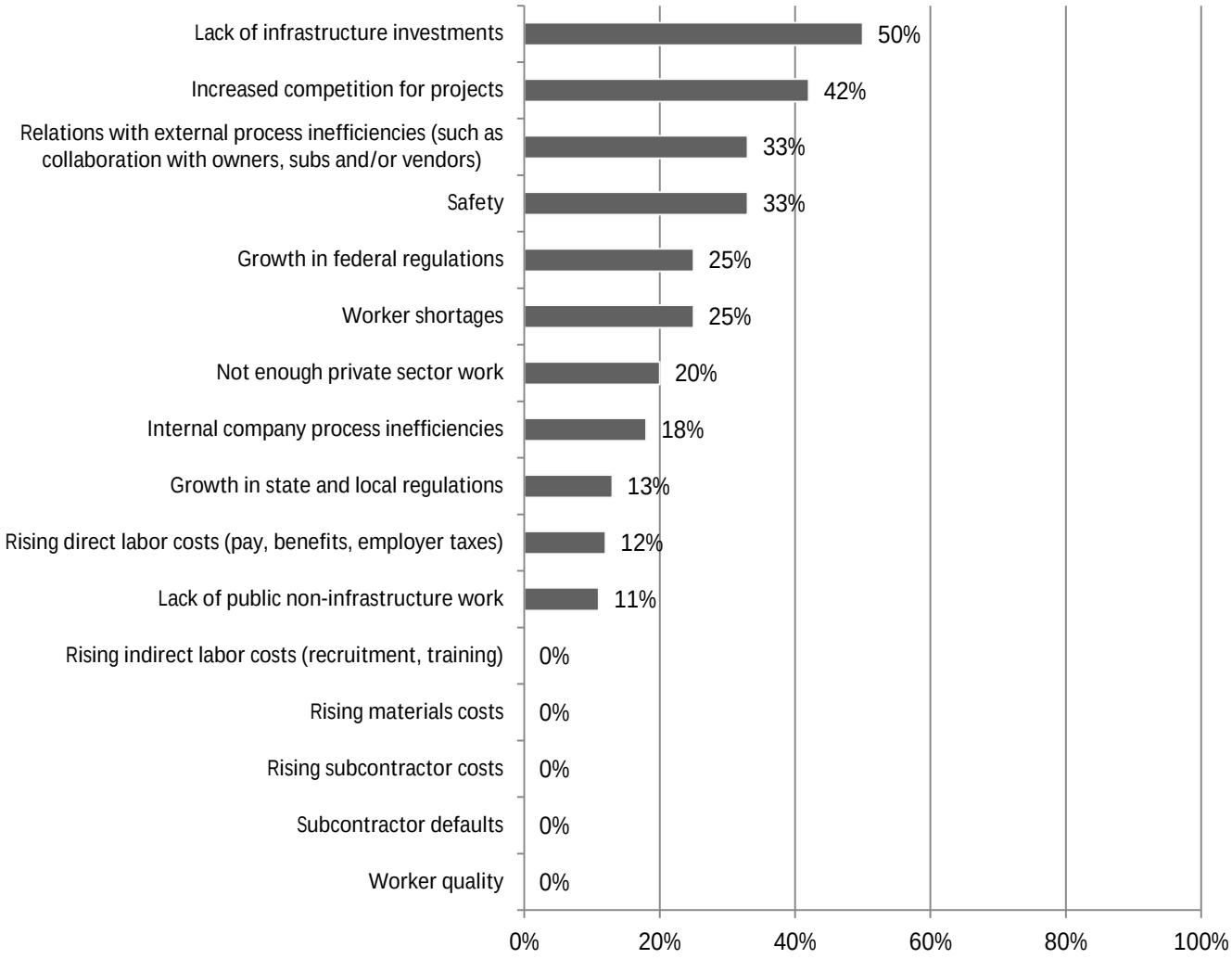
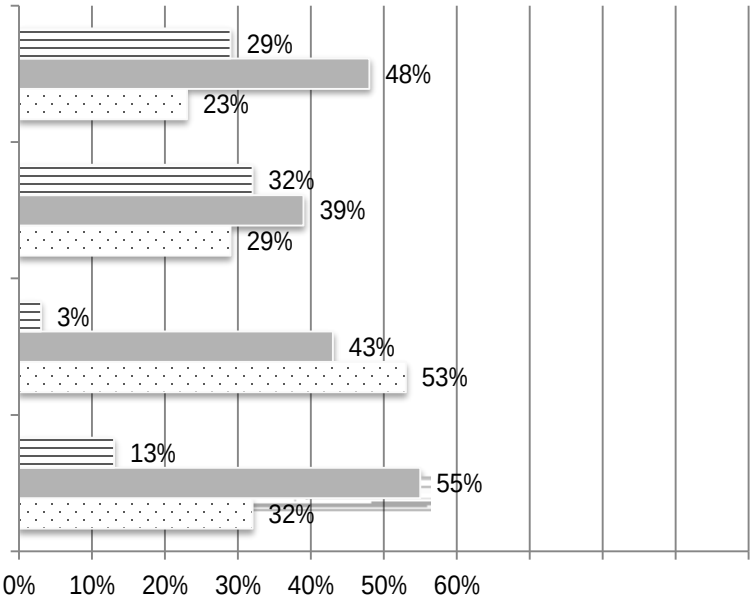
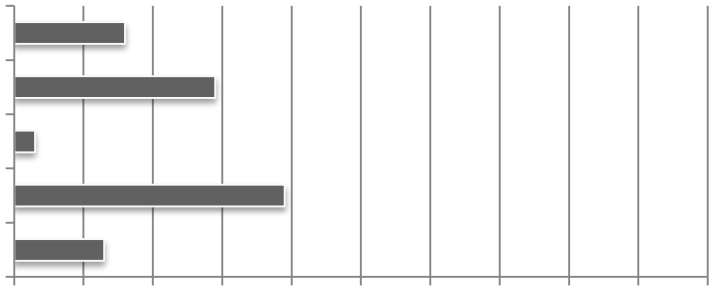
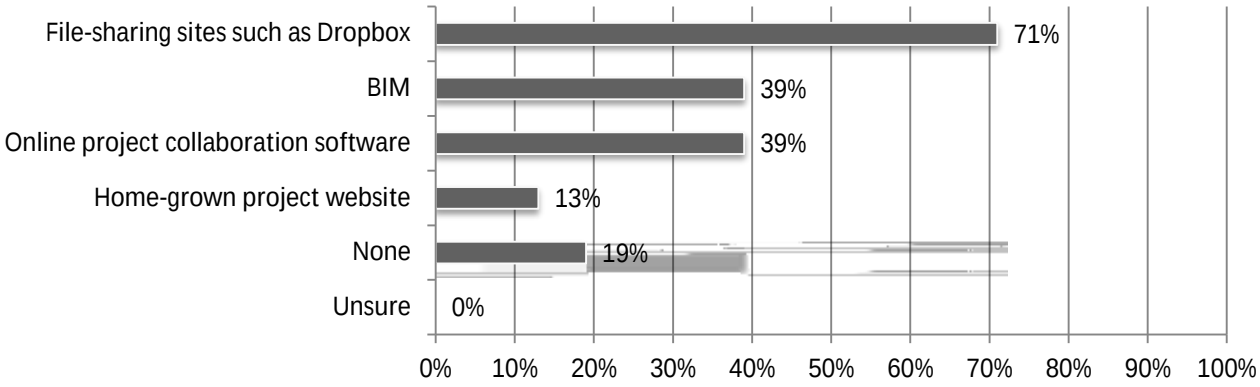
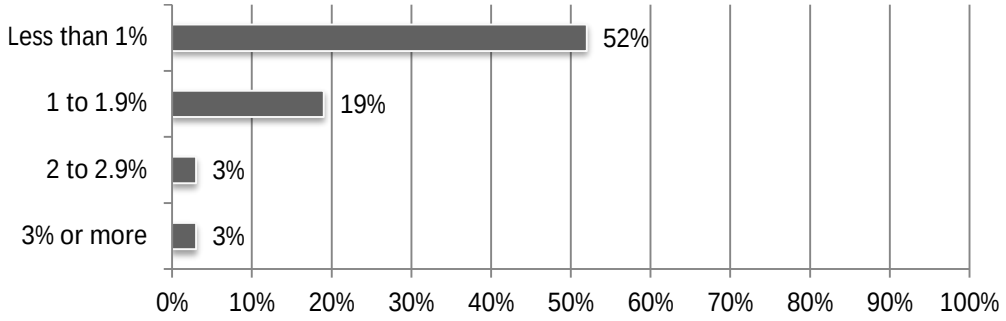
Private Office	31%	12%	58%	19%
Manufacturing	30%	25%	45%	5%
K-12 School	30%	26%	43%	4%
Hospital	21%	17%	63%	4%
Higher Education	28%	24%	48%	4%
Retail, Warehouse, Lodging	19%	15%	65%	4%
Power	20%	20%	60%	0%
All projects	18%	29%	54%	-11%
Water/Sewer	18%	29%	53%	-12%
Public Building	13%	26%	61%	-13%
Transportation (e.g., transit, rail, airport)	19%	38%	44%	-19%

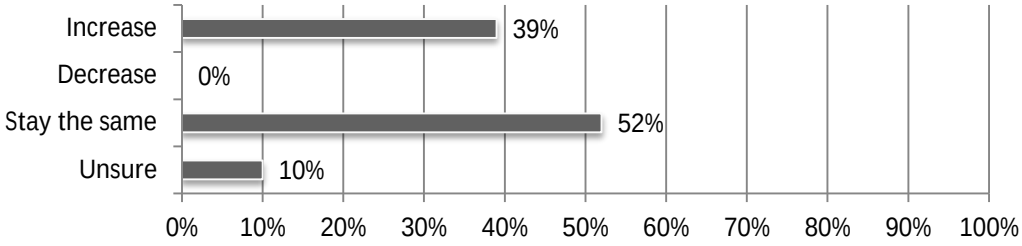

Lack of infrastructure investments
50%
Increased competition for projects
42%
Relations with external process inefficiencies (such as collaboration with owners, subs and/or vendors)
33%
Safety
33%
Growth in federal regulations
25%
Worker shortages
25%
Not enough private sector work
20%
Internal company process inefficiencies
18%
Growth in state and local regulations
13%
Rising direct labor costs (pay, benefits, employer taxes)
12%
Lack of public non-infrastructure work
11%
Rising indirect labor costs (recruitment, training)
0%
Rising materials costs
0%
Rising subcontractor costs
0%
Subcontractor defaults
0%
Worker quality
0%
0%
20%
40%
60%
80%
100%


29%
48%
23%
32%
39%
29%
3%
43%
53%
13%
55%
32%
0%
10%
20%
30%
40%
50%
60%

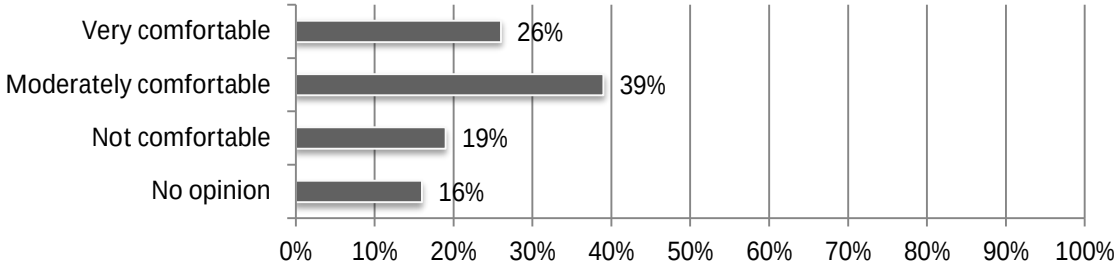


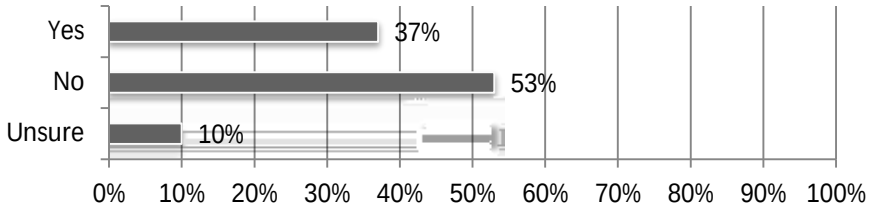

File-sharing sites such as Dropbox
71%
BIM
39%
Online project collaboration software
39%
Home-grown project website
13%
None
19%
Unsure
0%
0%
10%
20%
30%
40%
50%
60%
70%
80%
90%
100%

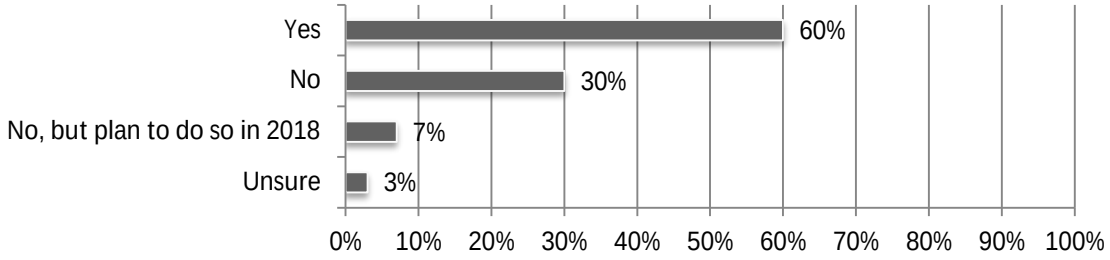


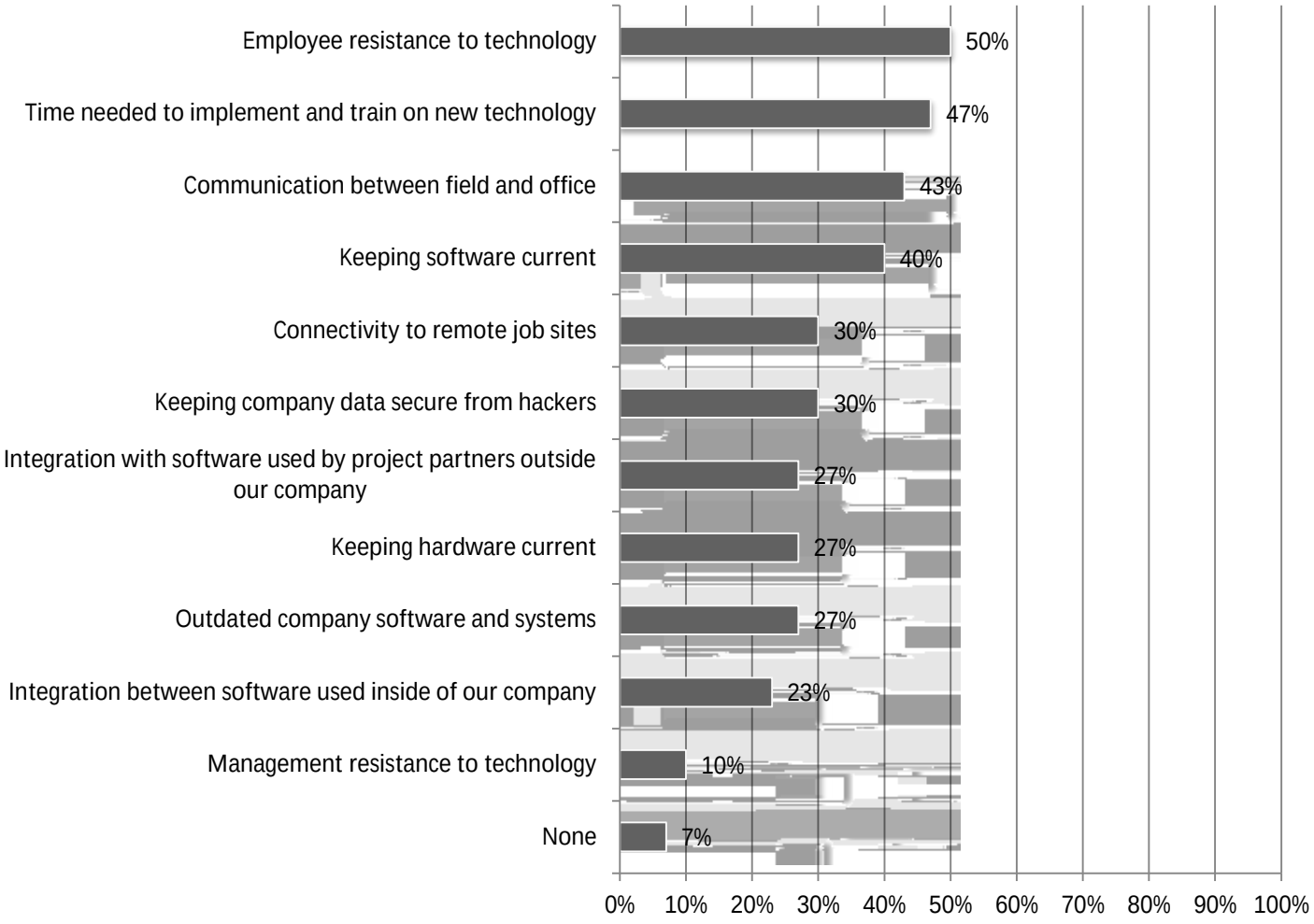


Accounting software	13%	71%	3%	13%
Building Information Modeling	18%	39%	4%	39%
Client relationship management software	19%	50%	0%	31%
Document management software	13%	67%	0%	20%
Estimating software	17%	73%	0%	10%
Fleet tracking/management software	7%	62%	0%	31%
Human resources software	19%	52%	0%	30%
Payroll software	7%	72%	0%	21%
Prequalification software	11%	57%	0%	32%
Project collaboration software	11%	61%	4%	25%
Project management software	11%	71%	0%	18%
Scheduling software	15%	67%	4%	15%
Service management software	4%	68%	0%	28%
Subcontractor bid management/ITB software	12%	65%	4%	19%




Yes
No
Unsure
37%
53%
10%
0%
10%
20%
30%
40%
50%
60%
70%
80%
90%
100%


Yes
No
No, but plan to do so in 2018
Unsure
60%
30%
7%
3%
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
Keeping software current
Connectivity to remote job sites
Keeping company data secure from hackers
Integration with software used by project partners outside our company
Keeping hardware current
Outdated company software and systems
Integration between software used inside of our company
Management resistance to technology
None
50%
47%
43%
40%
30%
30%
27%
27%
27%
23%
10%
7%
0%
10%
20%
30%
40%
50%
60%
70%
80%
90%
100%