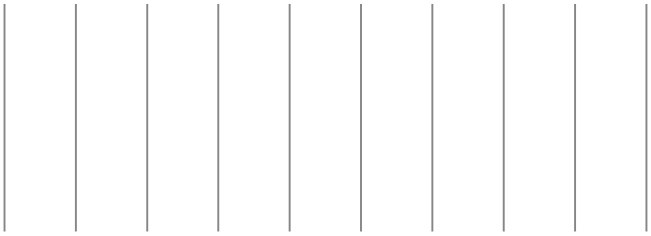
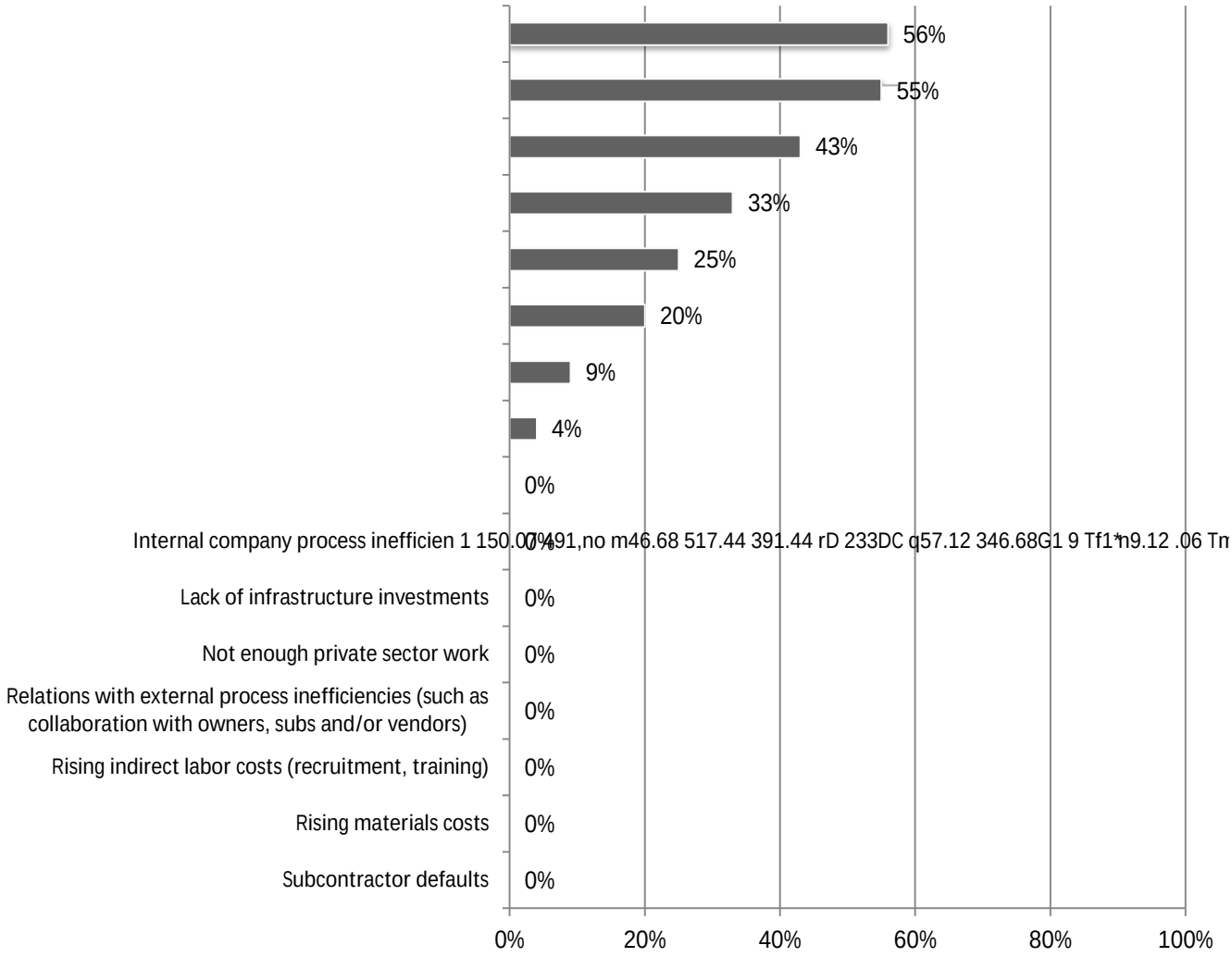
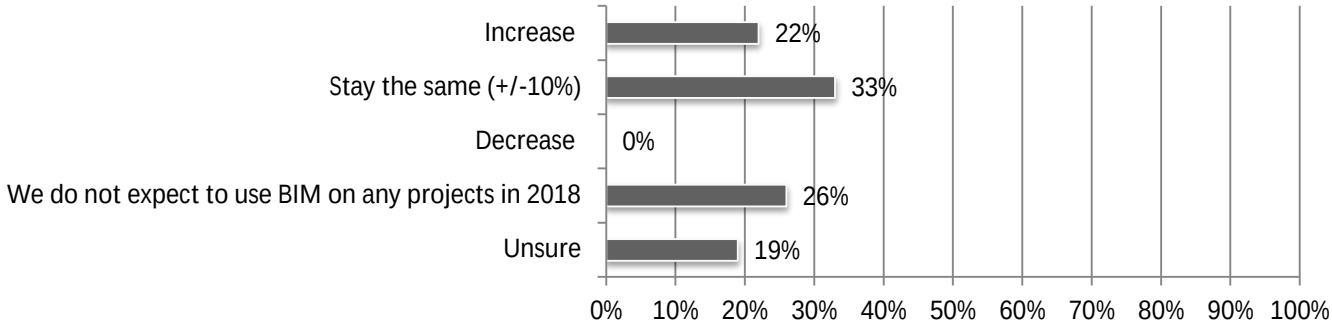
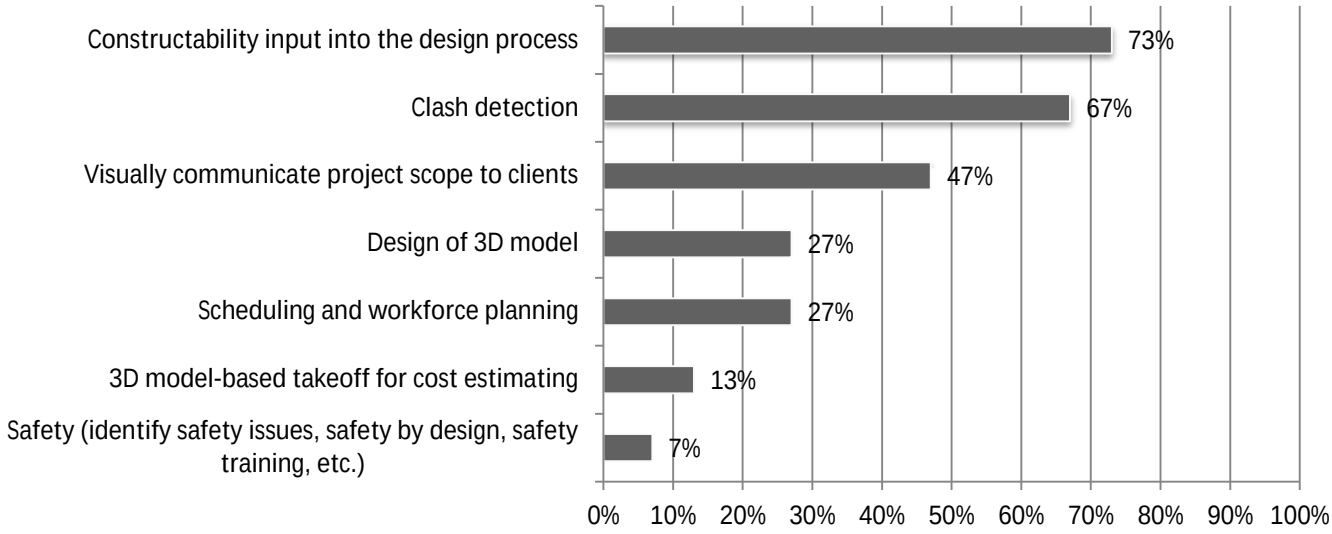
All projects	59%	11%	30%	48%
Manufacturing	37%	0%	63%	37%
Public Building	40%	5%	55%	35%
Private Office	44%	12%	44%	32%
Transportation (e.g., transit, rail, airport)	35%	4%	61%	30%
K-12 School	42%	13%	46%	29%
Retail, Warehouse, Lodging	25%	0%	75%	25%
Multifamily Residential	33%	10%	57%	24%
Highway	35%	13%	52%	22%
Federal (e.g., VA, GSA, USACE, NAVFAC)	29%	10%	62%	19%
Hospital	24%	10%	67%	14%
Higher Education	10%	10%	81%	0%
Water/Sewer	11%	17%	72%	-6%
Power	6%	12%	82%	-6%

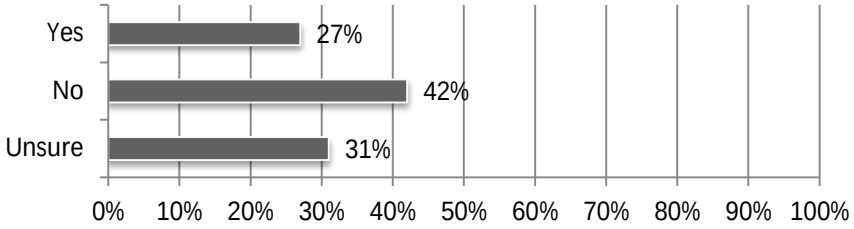
**Net eljdžală diffeNence beűǿeen ndzmbeN 2f áHigheNé and áL2ǿeNé NeăLJ2năeă aă LJeNcenű 2f ű2űalȹ*

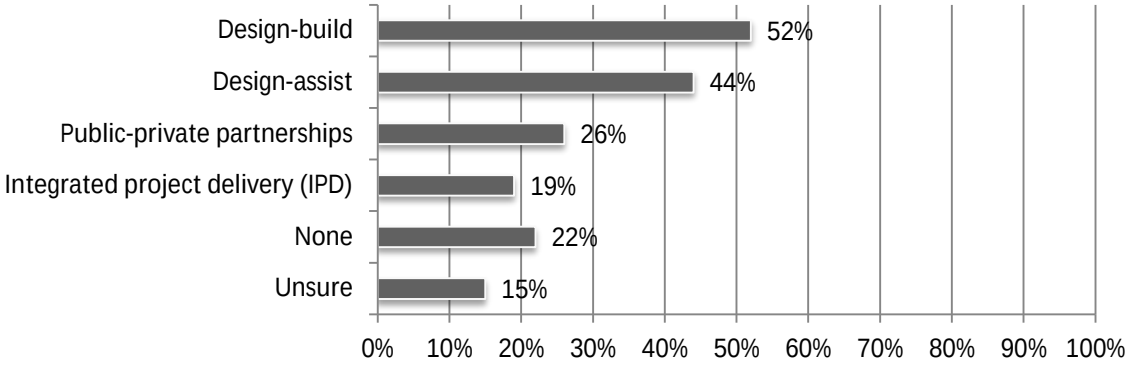


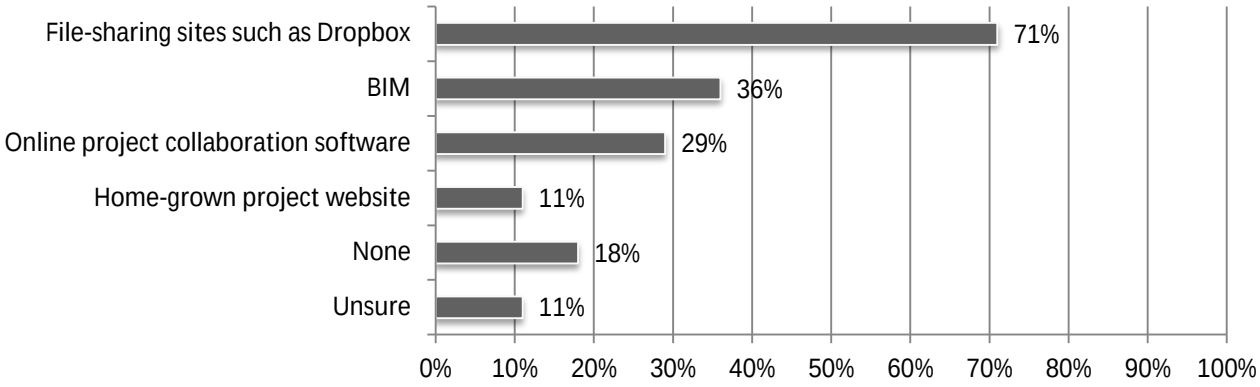

56%
55%
43%
33%
25%
20%
9%
4%
0%
0%
Internal company process inefficien 1 150.0 0 491,no m46.68 517.44 391.44 rD 233DC q57.12 346.68G1 9 Tf1 n9.12 .06 Tn
Lack of infrastructure investments
0%
Not enough private sector work
0%
Relations with external process inefficiencies (such as collaboration with owners, subs and/or vendors)
0%
Rising indirect labor costs (recruitment, training)
0%
Rising materials costs
0%
Subcontractor defaults
0%
0%
20%
40%
60%
80%
100%

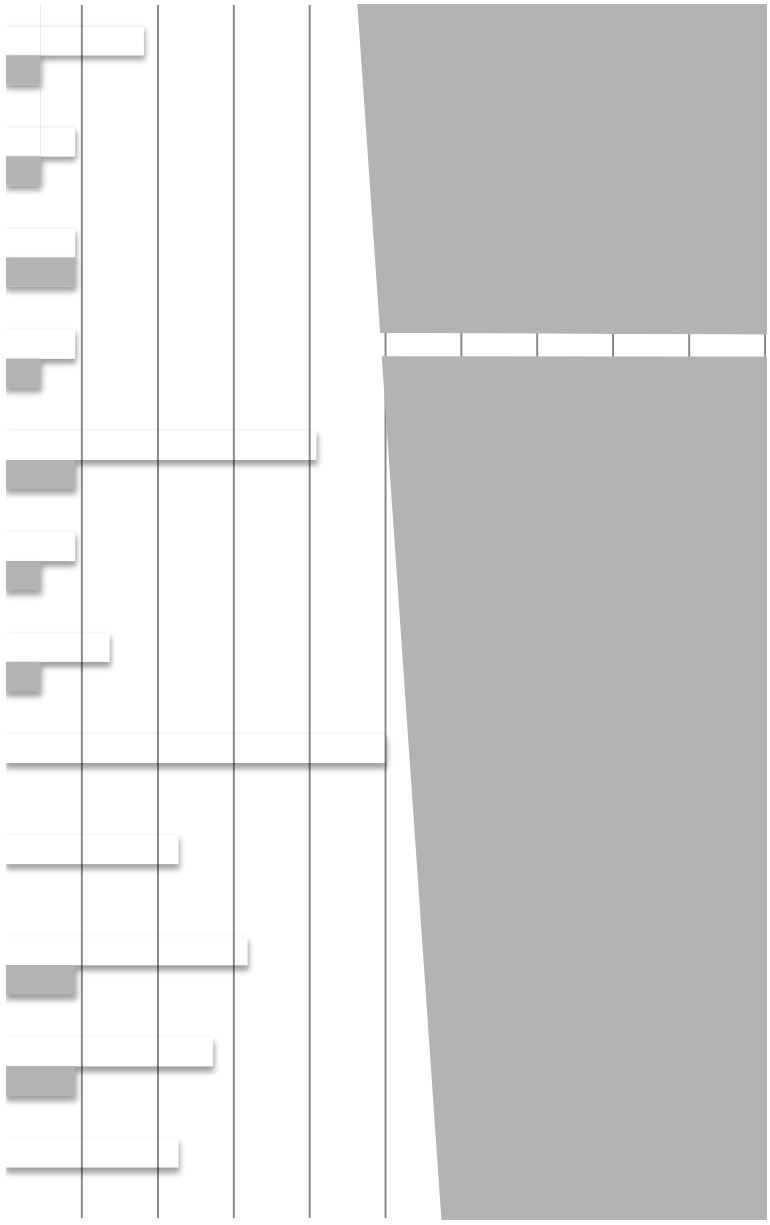

Increase
22%
Stay the same (+/-10%)
33%
Decrease
0%
We do not expect to use BIM on any projects in 2018
26%
Unsure
19%
0% 10% 20% 30% 40% 50% 60% 70% 80% 90% 100%

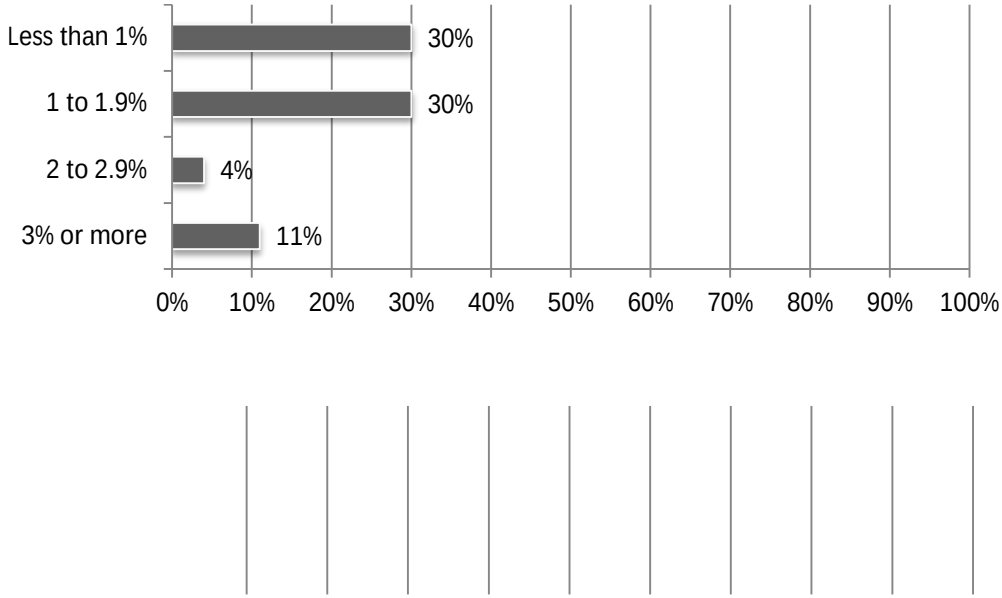
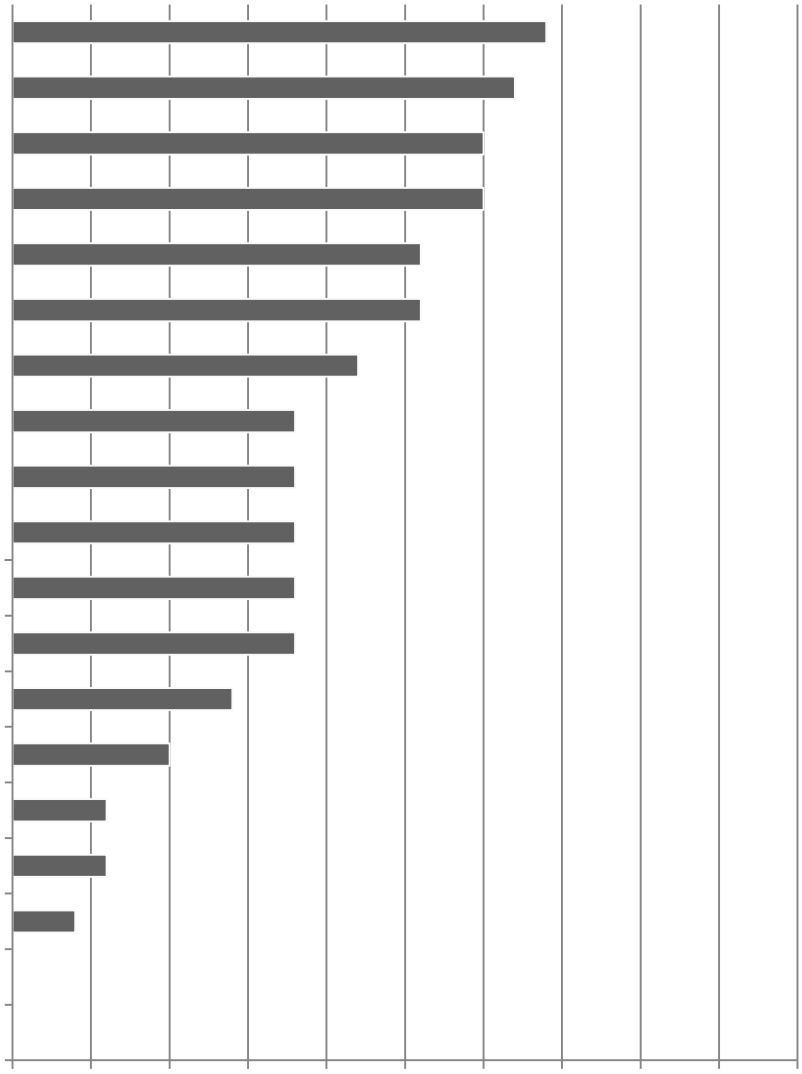

Constructability input into the design process
73%
Clash detection
67%
Visually communicate project scope to clients
47%
Design of 3D model
27%
Scheduling and workforce planning
27%
3D model-based takeoff for cost estimating
13%
Safety (identify safety issues, safety by design, safety training, etc.)
7%
0% 10% 20% 30% 40% 50% 60% 70% 80% 90% 100%


Yes
27%
No
42%
Unsure
31%
0% 10% 20% 30% 40% 50% 60% 70% 80% 90% 100%


Design-build
52%
Design-assist
44%
Public-private partnerships
26%
Integrated project delivery (IPD)
19%
None
22%
Unsure
15%
0% 10% 20% 30% 40% 50% 60% 70% 80% 90% 100%


File-sharing sites such as Dropbox
71%
BIM
36%
Online project collaboration software
29%
Home-grown project website
11%
None
18%
Unsure
11%
0%
10%
20%
30%
40%
50%
60%
70%
80%
90%
100%




Less than 1%
30%
1 to 1.9%
30%
2 to 2.9%
4%
3% or more
11%
0%
10%
20%
30%
40%
50%
60%
70%
80%
90%
100%