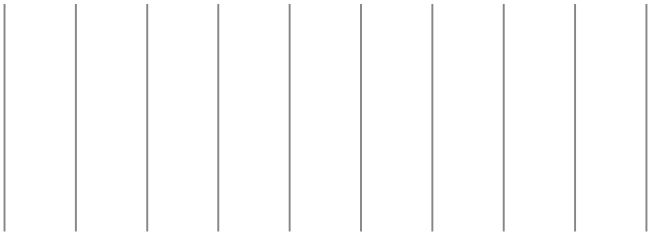
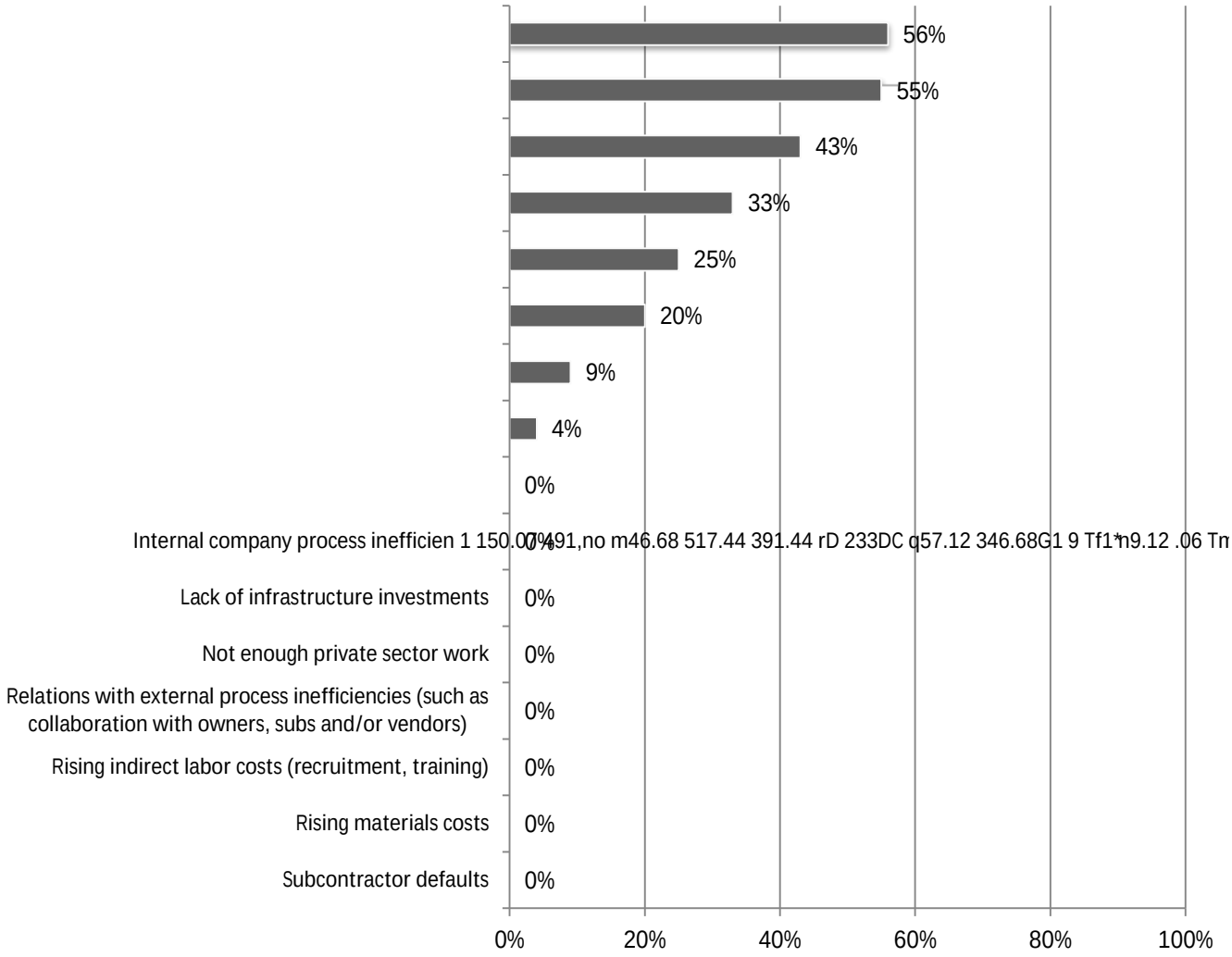
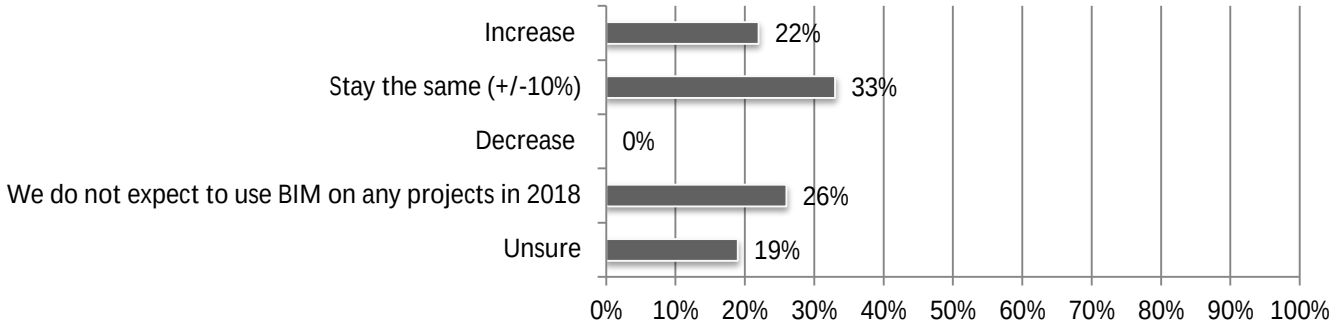
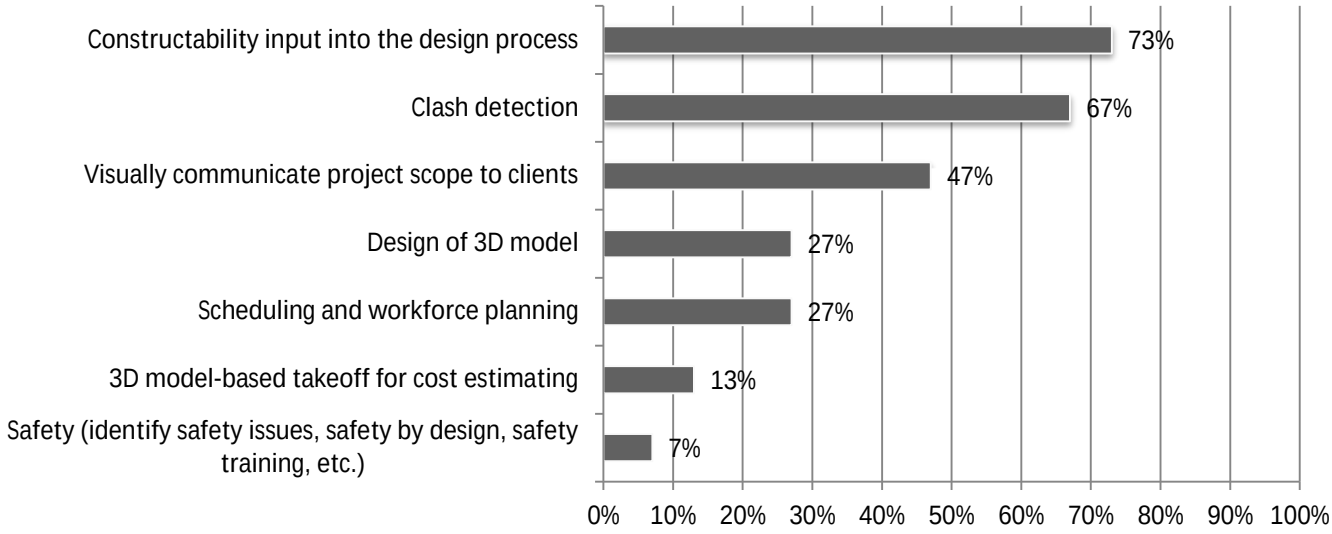
| | | | | |
|---|---|---|---|---|
| All projects | 59% | 11% | 30% | 48% |
| Manufacturing | 37% | 0% | 63% | 37% |
| Public Building | 40% | 5% | 55% | 35% |
| Private Office | 44% | 12% | 44% | 32% |
| Transportation (e.g., transit, rail, airport) | 35% | 4% | 61% | 30% |
| K-12 School | 42% | 13% | 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% |

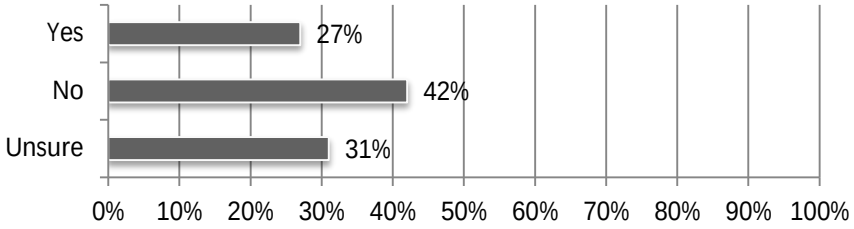
**Net eljdžală diffeNence beűǿeen ndzmbeN 2f áHigheNé and áL2ǿeNé NeăLJ2năeă aă LJeNcenű 2f ű2űalȹ*

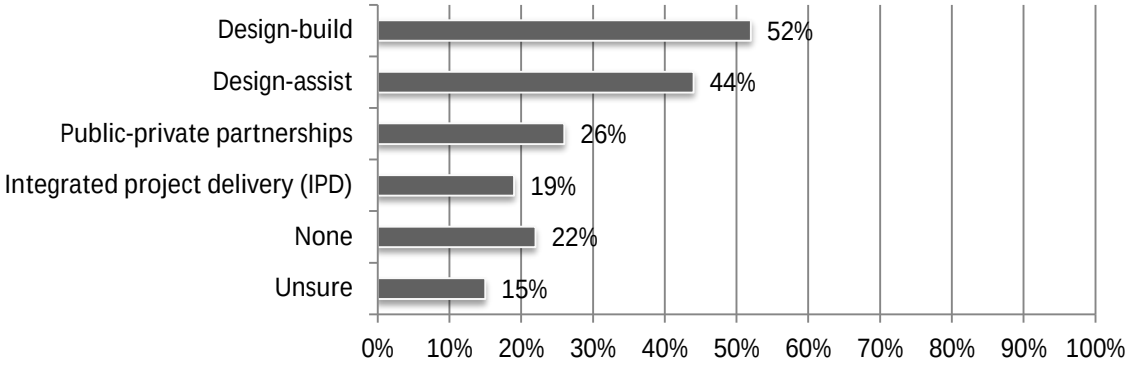


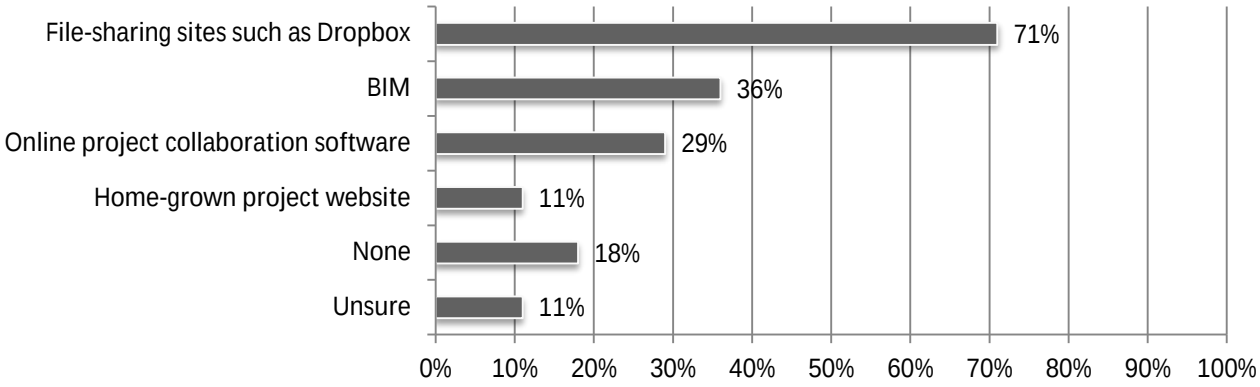

56%
55%
43%
33%
25%
20%
9%
4%
0%
0%
Internal company process inefficien 1 150.0 0 491,no m46.68 517.44 391.44 rD 233DC q57.12 346.68G1 9 Tf1 n9.12 .06 Tn
Lack of infrastructure investments
0%
Not enough private sector work
0%
Relations with external process inefficiencies (such as collaboration with 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%

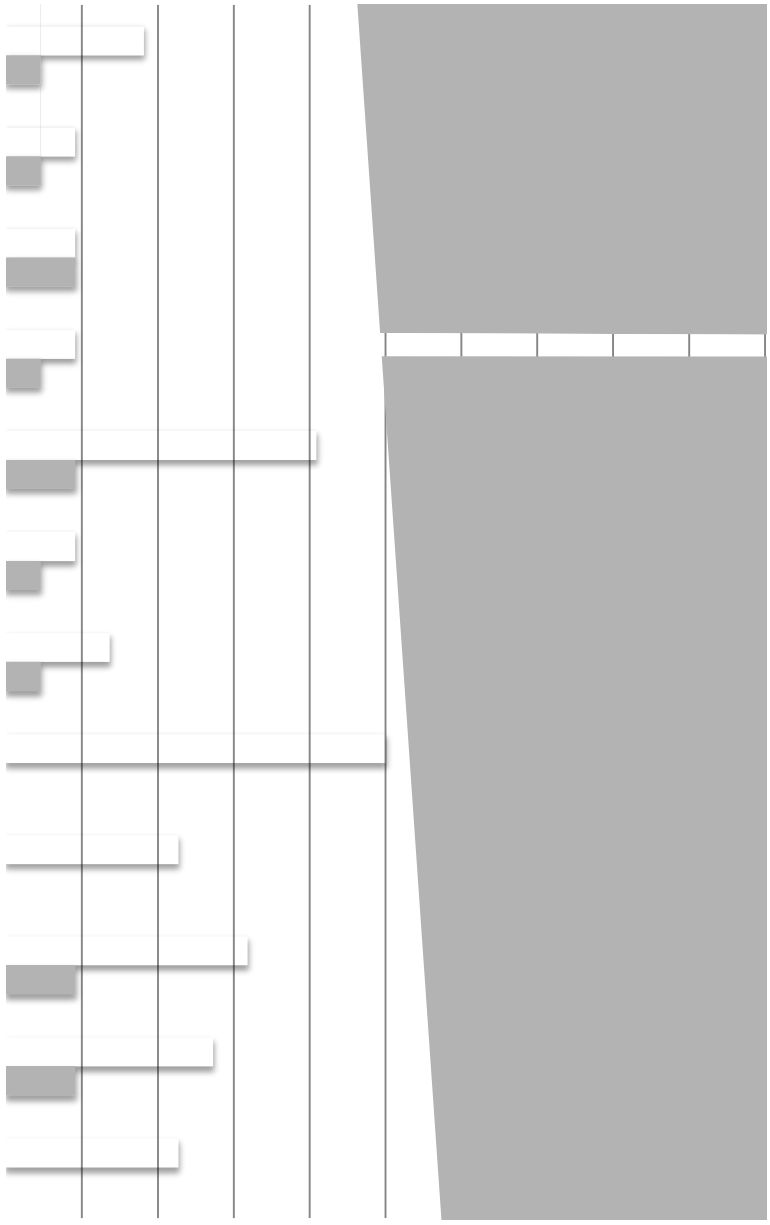

Increase
22%
Stay the same (+/-10%)
33%
Decrease
0%
We do not expect to use BIM on any projects in 2018
26%
Unsure
19%
0% 10% 20% 30% 40% 50% 60% 70% 80% 90% 100%

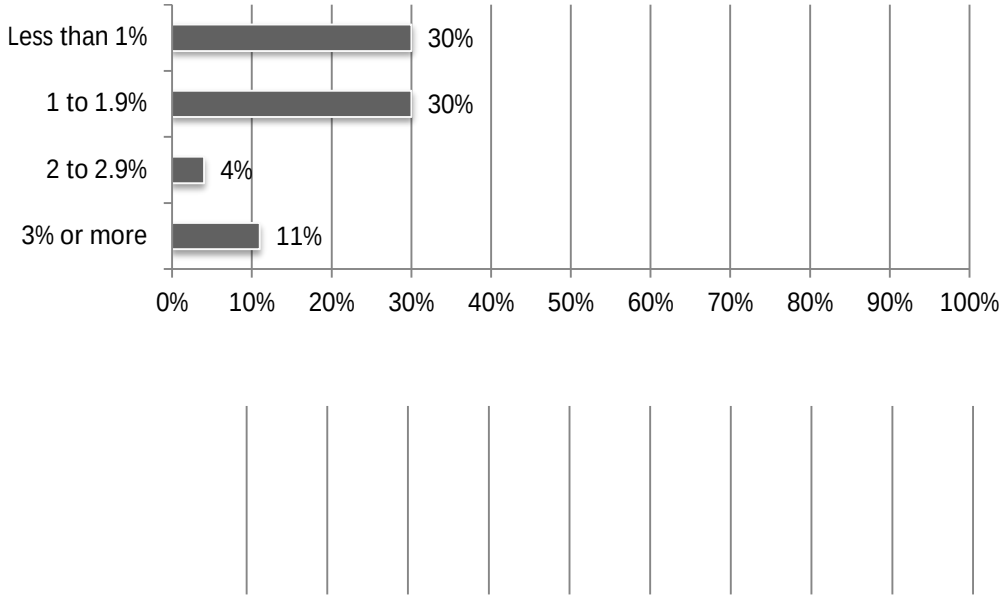
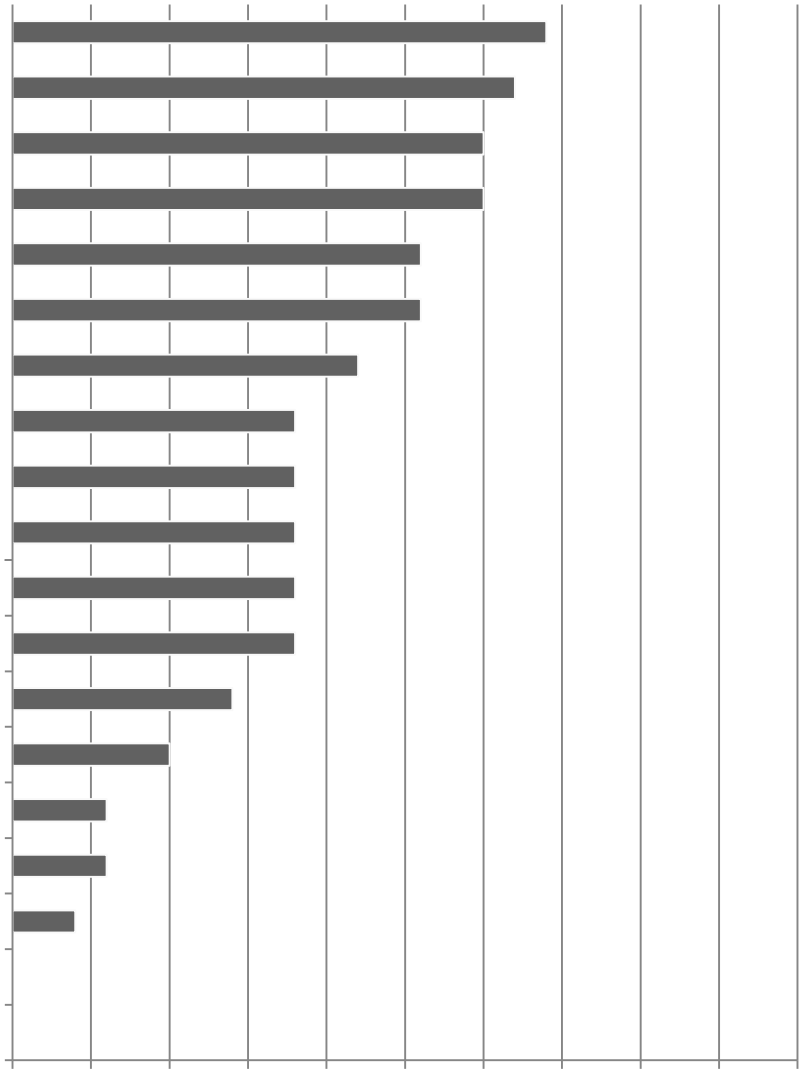

Constructability input into the design process
73%
Clash detection
67%
Visually communicate project scope to clients
47%
Design of 3D model
27%
Scheduling and workforce planning
27%
3D model-based takeoff for cost estimating
13%
Safety (identify safety issues, safety by design, safety training, etc.)
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%