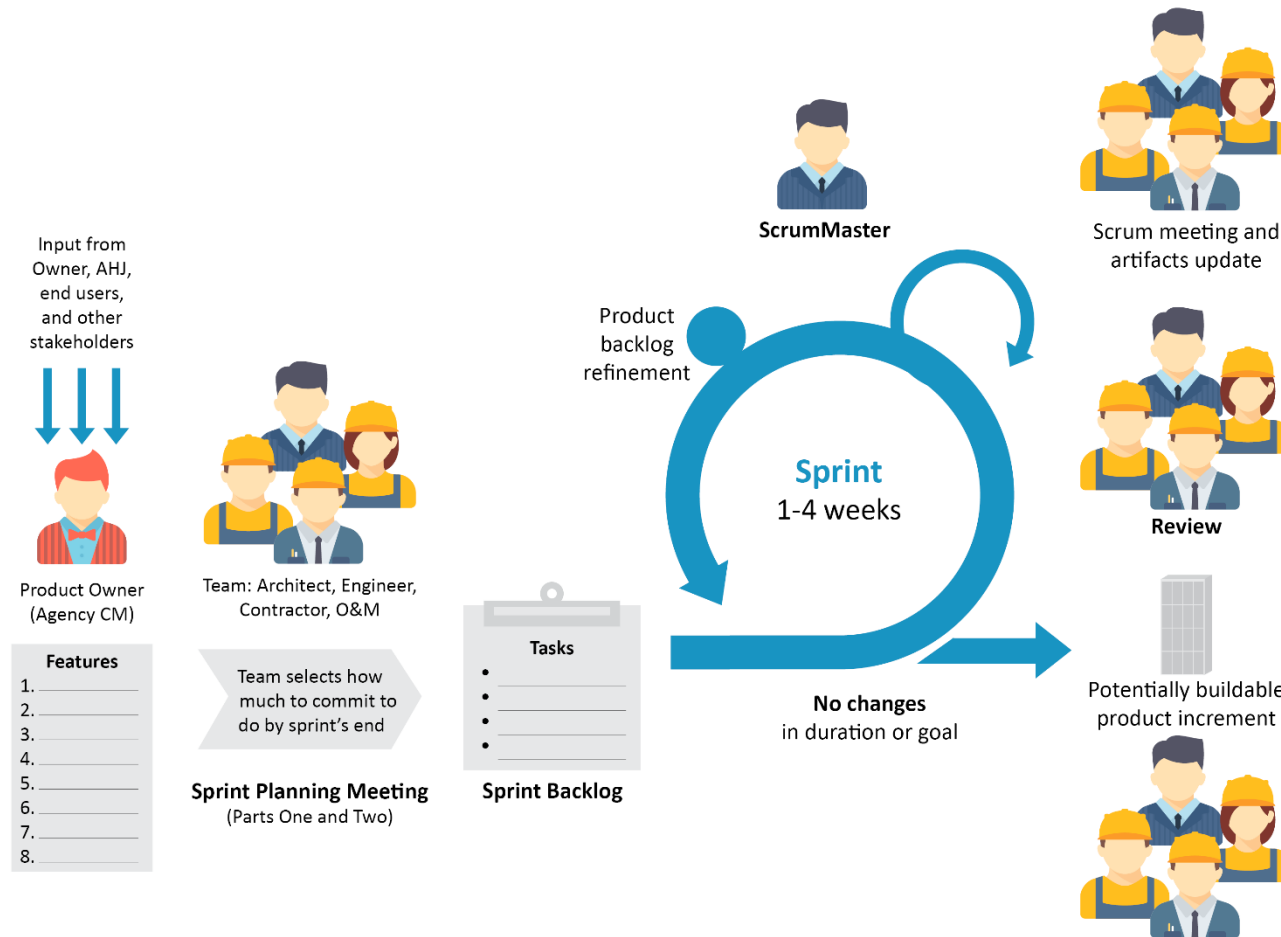
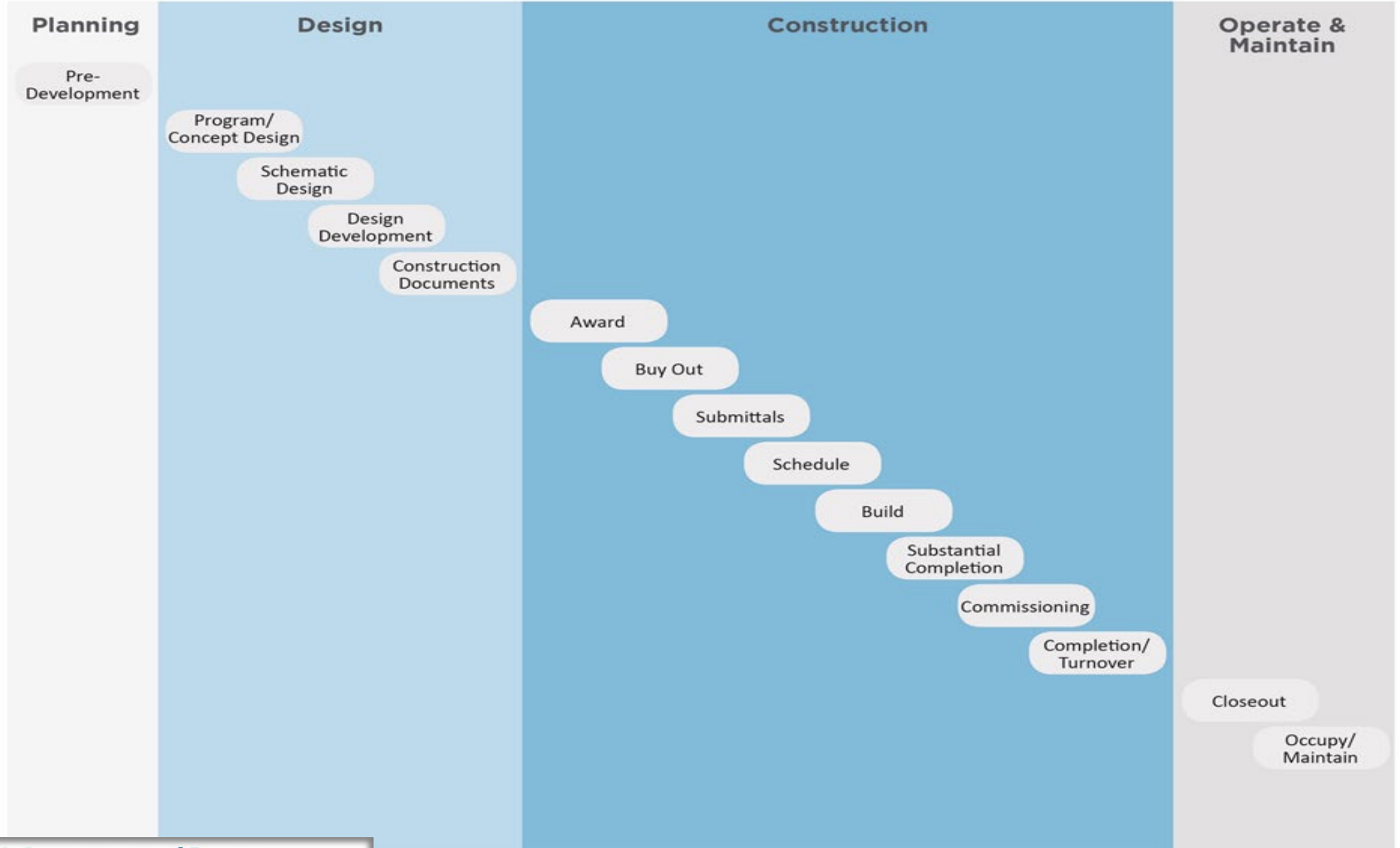
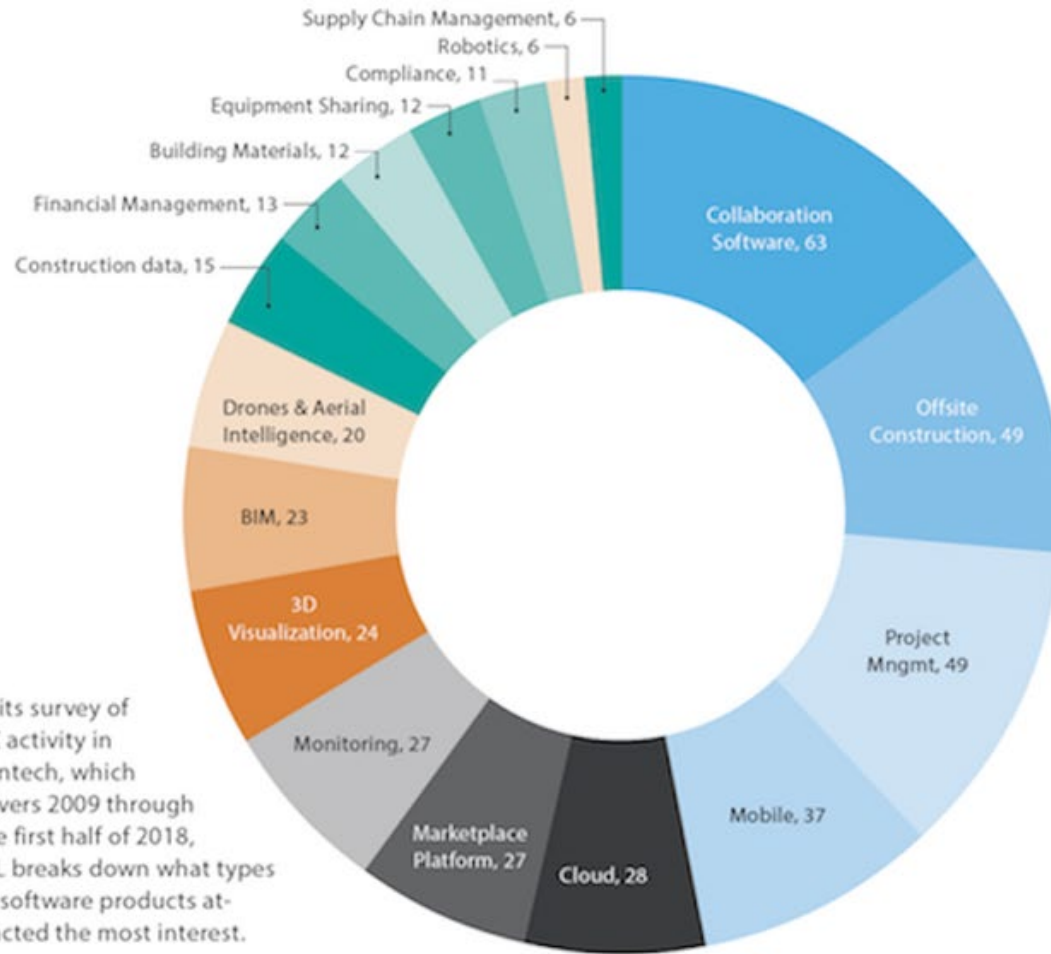


Agile AEC – Disruption is coming, and it's about time





WHERE CONSTRUCTION TECHNOLOGY STARTUPS ARE INNOVATING
(by number of startups in category)



In its survey of VC activity in contech, which covers 2009 through the first half of 2018, JLL breaks down what types of software products attracted the most interest.

NUMBER OF UNICORNS IN CONSTRUCTION TECH-

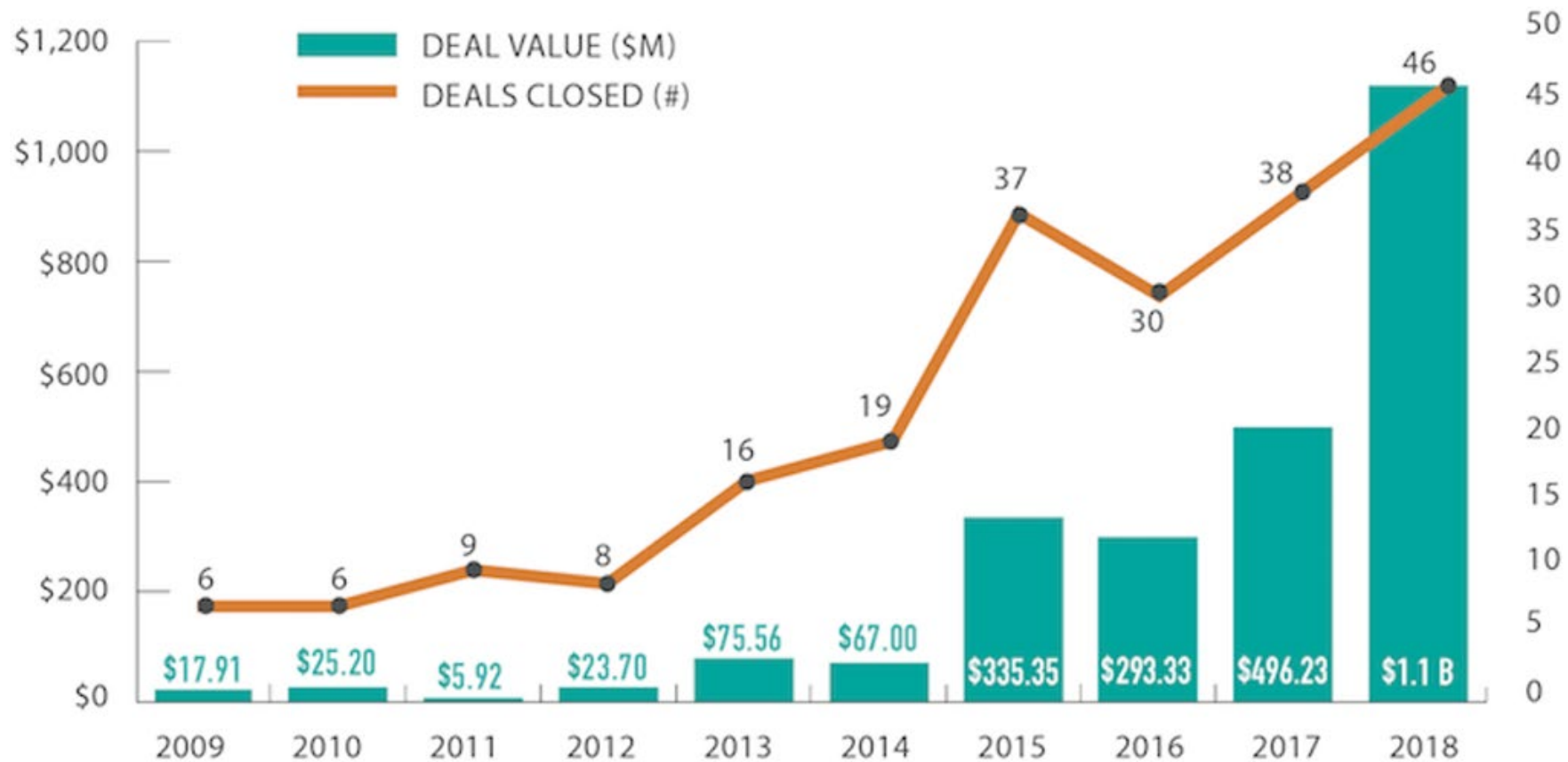
Katerra

Procore

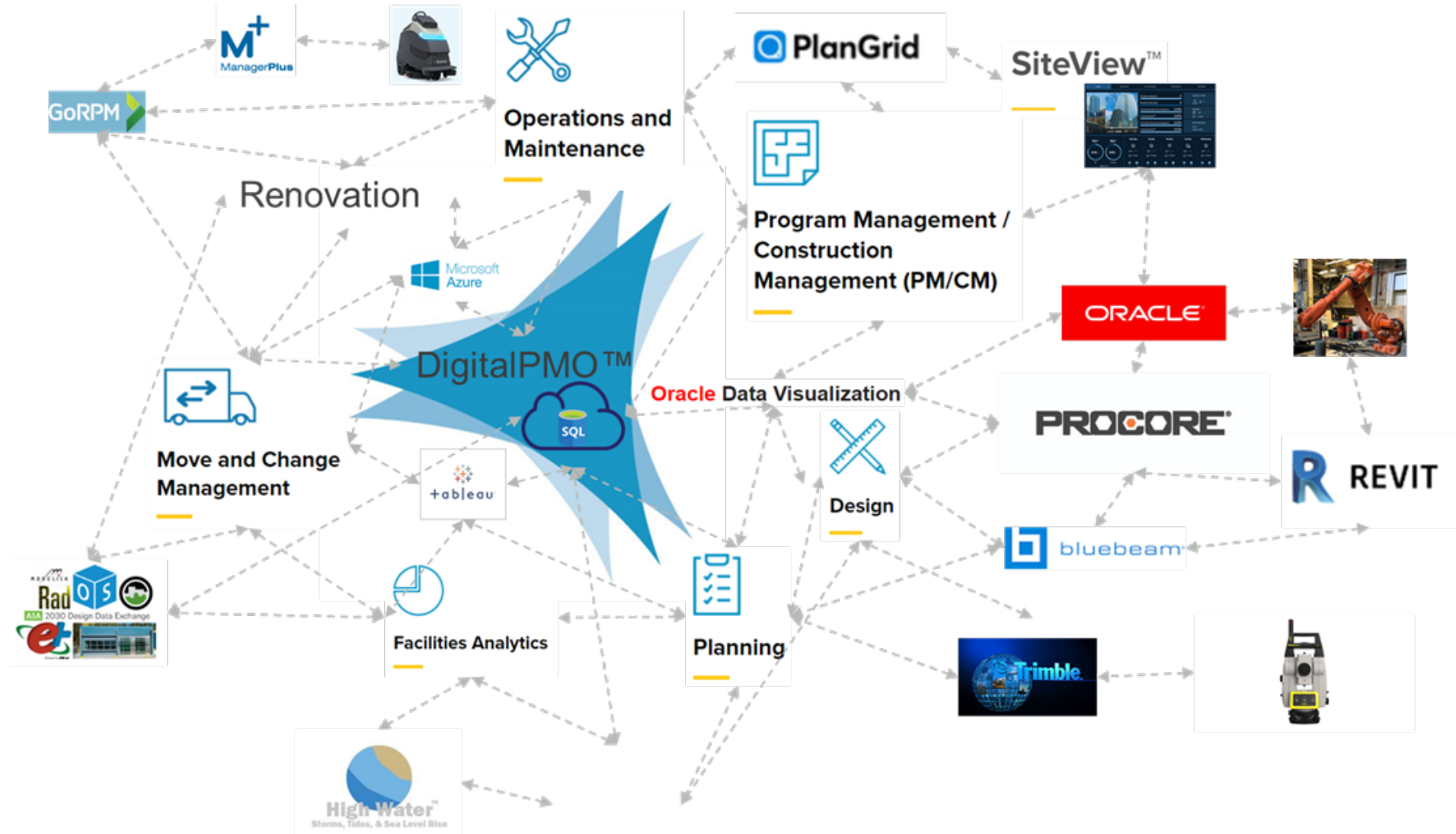
Uptake

Source: CB Insights JLL Research

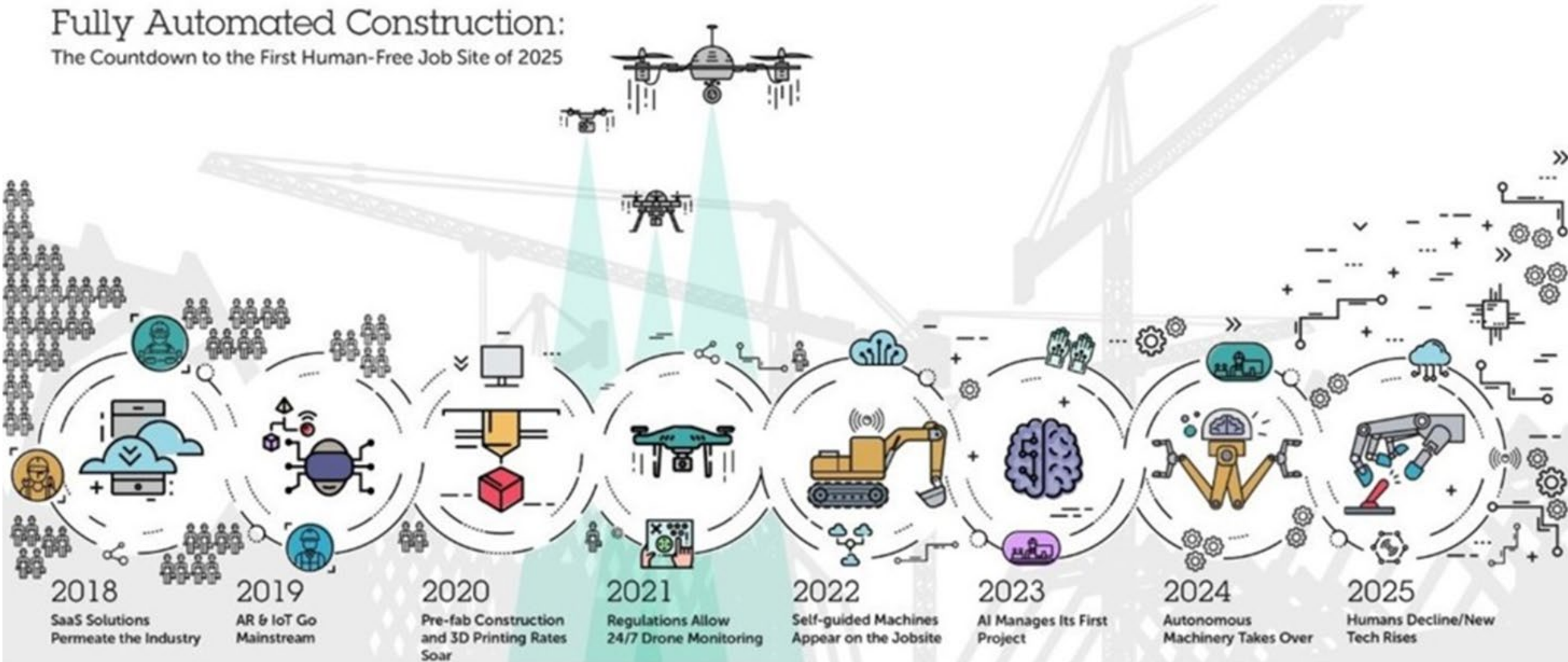
U.S. VC DEAL ACTIVITY IN CONSTRUCTION TECH



SOURCE: PITCHBOOK



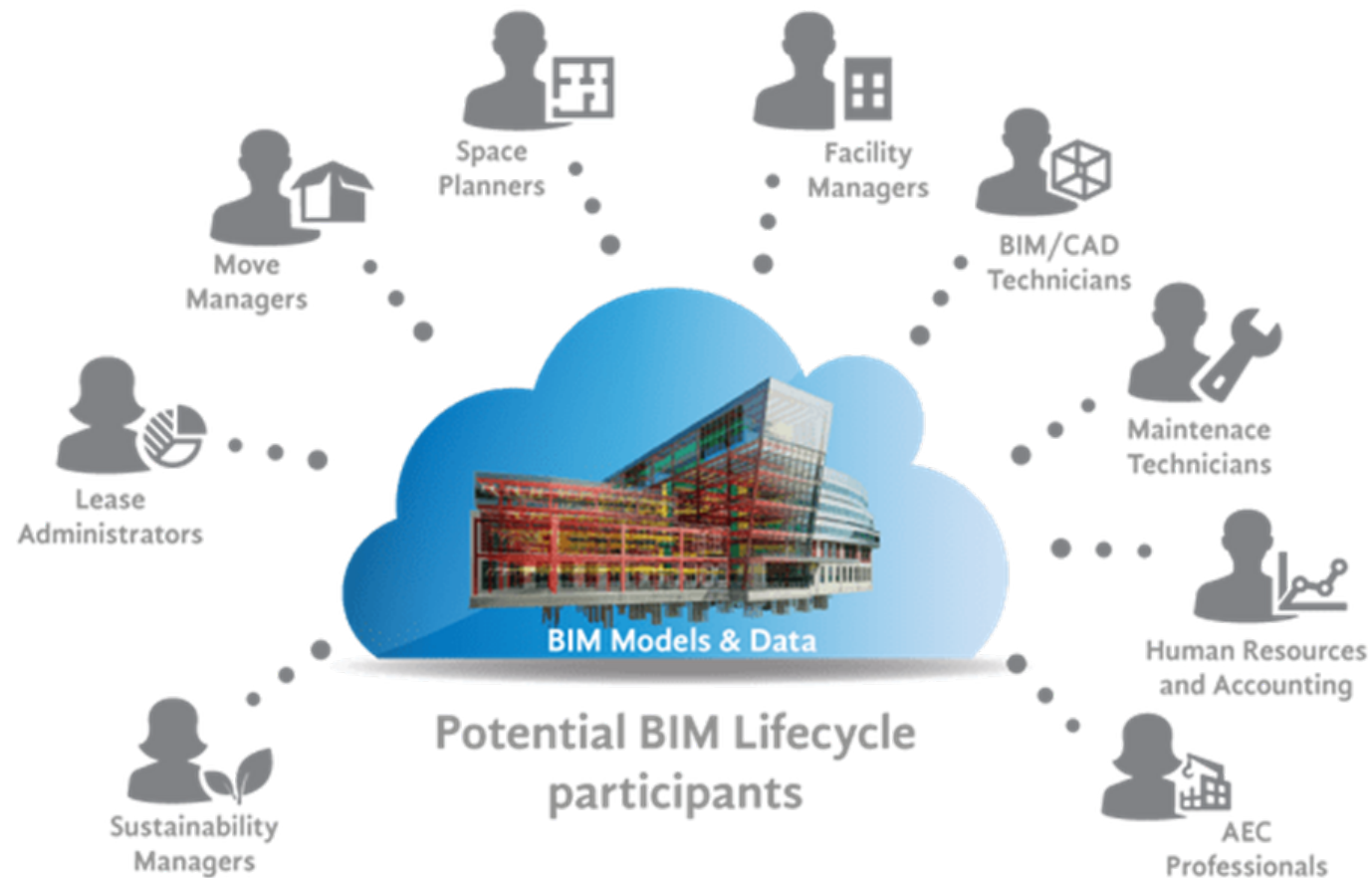
Fully Automated Construction: The Countdown to the First Human-Free Job Site of 2025





U.S. Department of Energy
Lighting R&D Workshop

BRIDGING THE GAP BETWEEN TECHNOLOGY PROMISE AND TODAY'S REALITY



Input from
Owner, AHJ,
end users,
and other
stakeholders



Product Owner
(Agency CM)

Features

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____



Team: Architect, Engineer,
Contractor, O&M

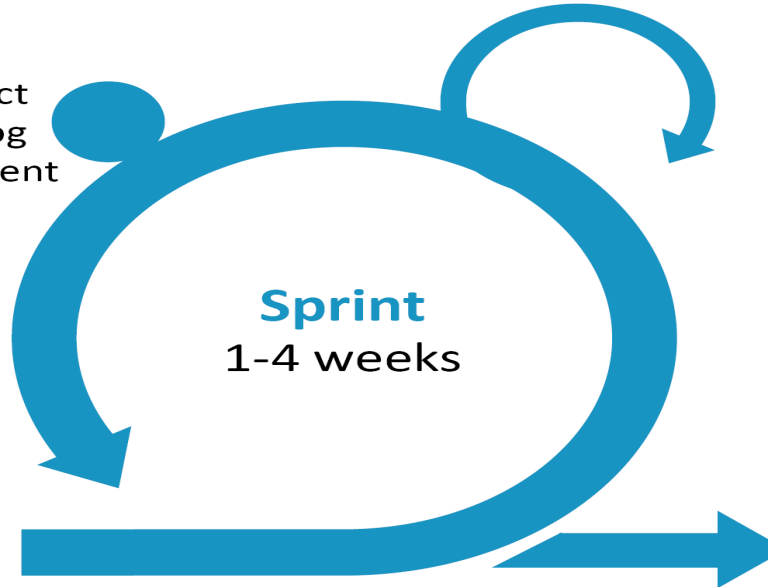
Team selects how
much to commit to
do by sprint's end

Sprint Planning Meeting
(Parts One and Two)



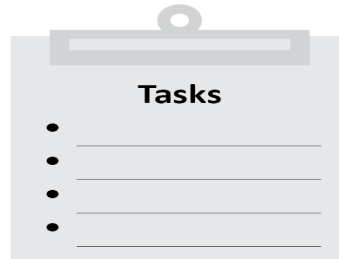
ScrumMaster

Product
backlog
refinement



Sprint
1-4 weeks

No changes
in duration or goal



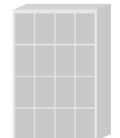
Sprint Backlog



Scrum meeting and
artifacts update



Review



Potentially buildable
product increment



Input from
Owner, AHJ,
end users,
and other
stakeholders



Product Owner
(Agency CM)

Features

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____

Input from
Owner, AHJ,
end users,
and other
stakeholders



Product Owner
(Agency CM)



Team: Architect, Engineer,
Contractor, O&M

Features

1. _____
2. _____
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Team selects how
much to commit to
do by sprint's end

Sprint Planning Meeting (Parts One and Two)

Input from
Owner, AHJ,
end users,
and other
stakeholders



Product Owner
(Agency CM)

Features

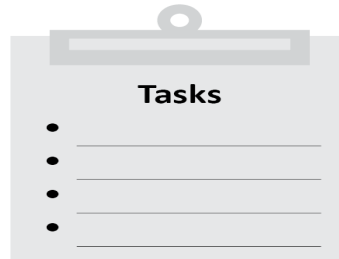
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Team: Architect, Engineer,
Contractor, O&M

Team selects how
much to commit to
do by sprint's end

Sprint Planning Meeting
(Parts One and Two)



Sprint Backlog

Input from
Owner, AHJ,
end users,
and other
stakeholders



Product Owner
(Agency CM)

Features

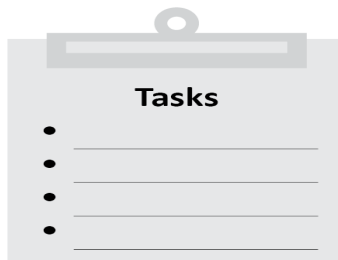
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Team: Architect, Engineer,
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Team selects how
much to commit to
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Sprint Planning Meeting
(Parts One and Two)

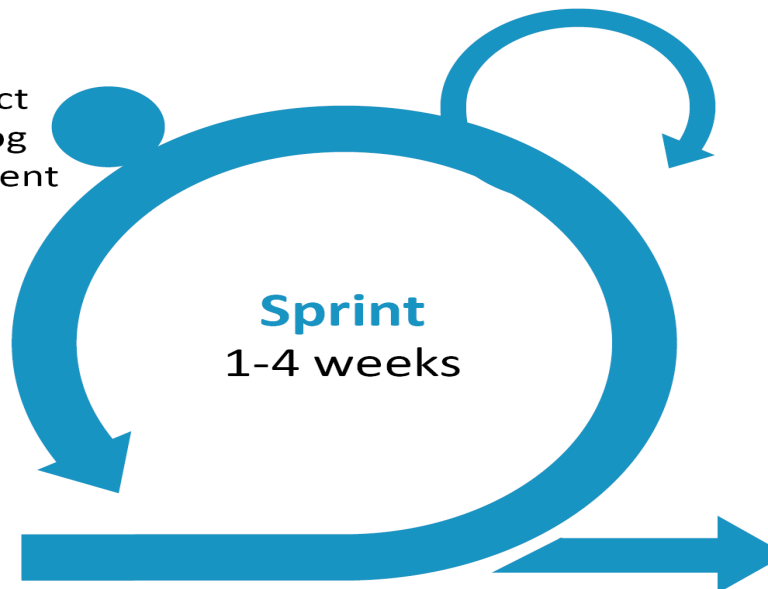


Sprint Backlog



ScrumMaster

Product
backlog
refinement



Sprint
1-4 weeks

No changes
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Input from
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Product Owner
(Agency CM)

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Team: Architect, Engineer,
Contractor, O&M

Team selects how
much to commit to
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Sprint Planning Meeting
(Parts One and Two)

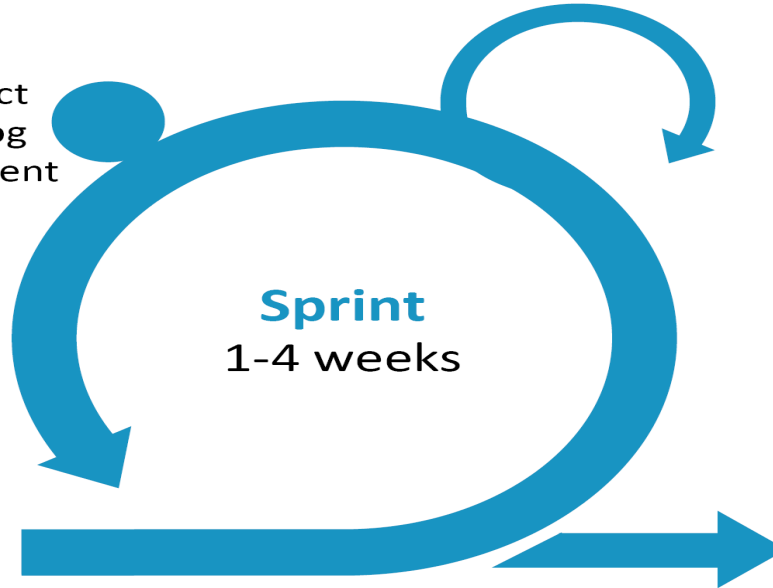


ScrumMaster



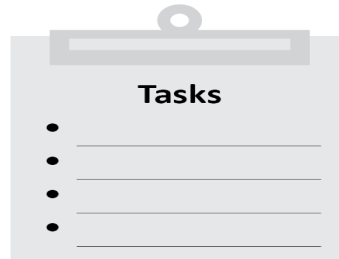
Scrum meeting and
artifacts update

Product
backlog
refinement



Sprint
1-4 weeks

No changes
in duration or goal



Sprint Backlog

Tasks

- _____
- _____
- _____
- _____

Input from
Owner, AHJ,
end users,
and other
stakeholders



Product Owner
(Agency CM)

Features

1. _____
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Team: Architect, Engineer,
Contractor, O&M

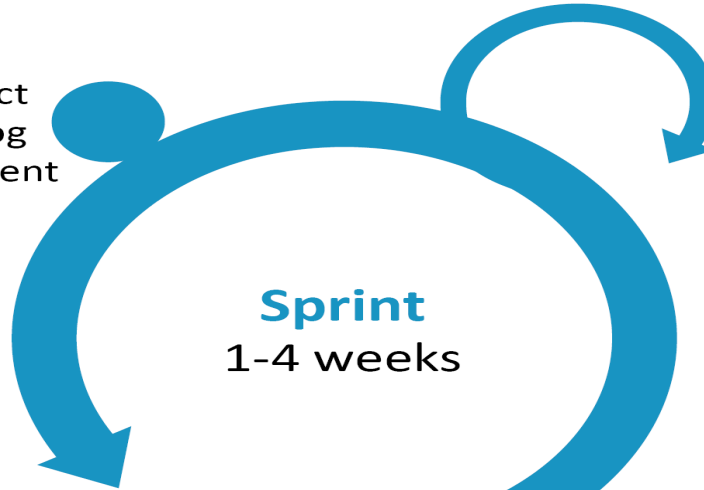
Team selects how
much to commit to
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Sprint Planning Meeting
(Parts One and Two)



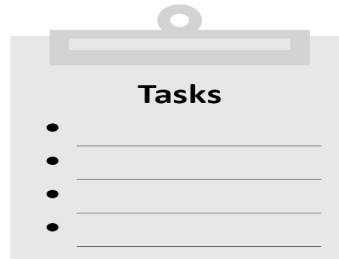
ScrumMaster

Product
backlog
refinement



Sprint
1-4 weeks

No changes
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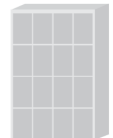
Sprint Backlog



Scrum meeting and
artifacts update



Review



Potentially buildable
product increment

Input from
Owner, AHJ,
end users,
and other
stakeholders



Product Owner
(Agency CM)

Features

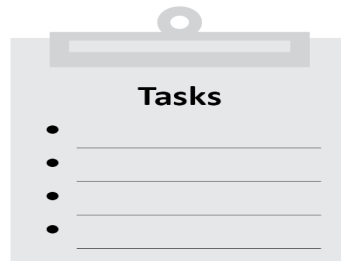
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Team: Architect, Engineer,
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Team selects how
much to commit to
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Sprint Planning Meeting
(Parts One and Two)

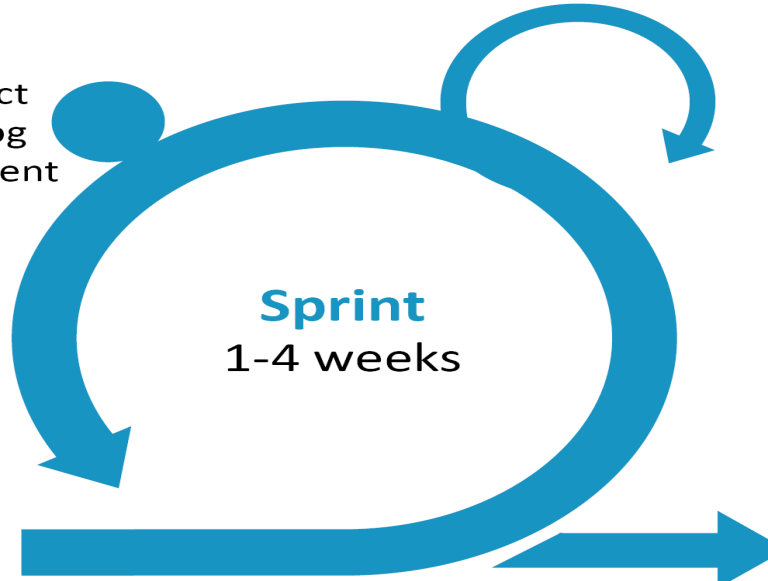


Sprint Backlog



ScrumMaster

Product
backlog
refinement



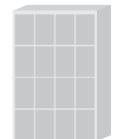
No changes
in duration or goal



Scrum meeting and
artifacts update



Review



Potentially buildable
product increment



QUESTIONS?



Presenter Contact Information

- Joel Timmins, CSP, CCM, PMP

Senior Director | Markon Solutions | jtimmings@markonsolutions.com | 202.674.9360



<https://www.linkedin.com/in/joel-timmins-pmp-ccm-81423914>



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