

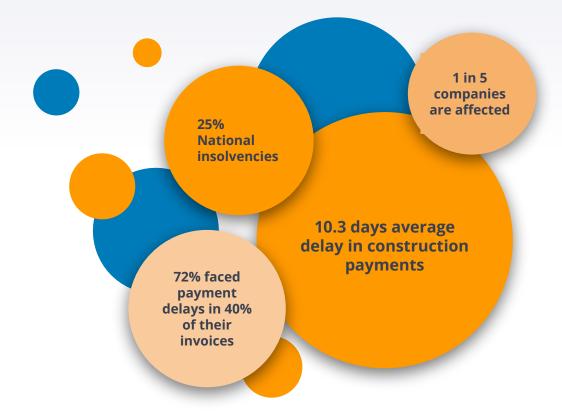
Varun, Shaan, Jen

Building-Block DIGITALISATION OF PROGRESS ASSESSMENTS AND AUTOMATION **OF PROGRESS PAYMENTS**

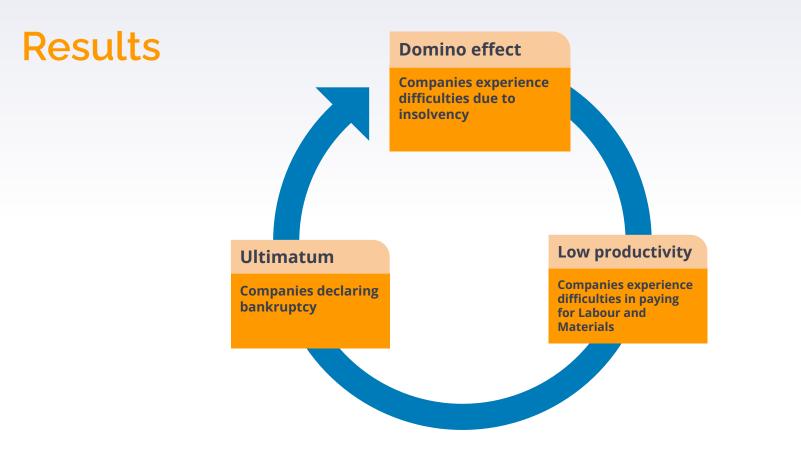
FINANCE · WORK · Building companies c slowdown bites	ollapse	Turbe 2. Transformer Turbe 2. Transformer Turbe 2. Turbe 2. Turb
'Wiped out': 'Horrific' claim about Australia's collapsing construction industry		Construction Industry Crisis: Companies Going



Impacts of Delay in Progress Payments

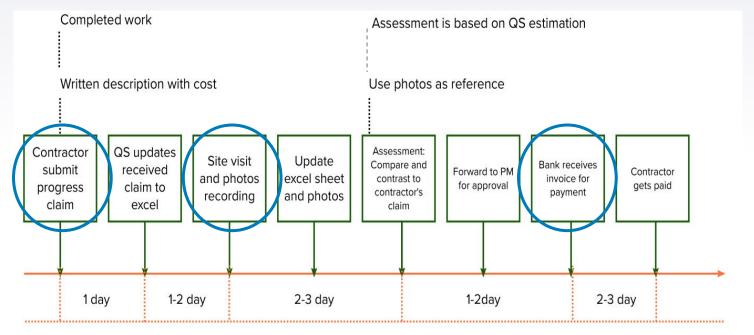








Causes



Total: 7-11 days per project per month (a QS would usually handle 3-8 project at the same time)



A software-based solution



Building-Block Aims



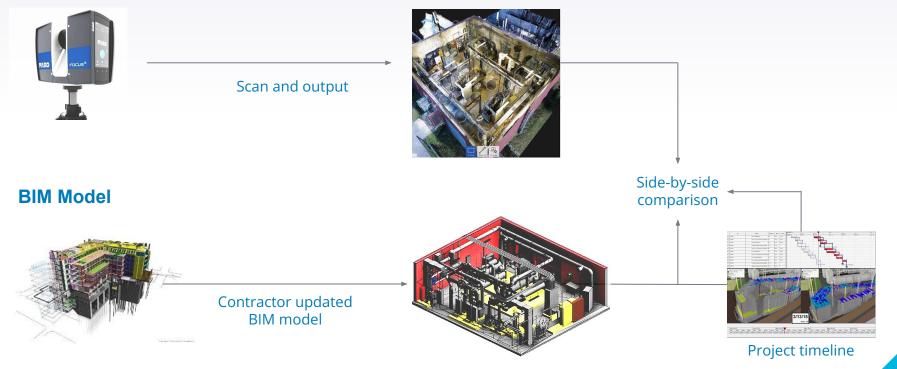
Shorter and More Effective Process

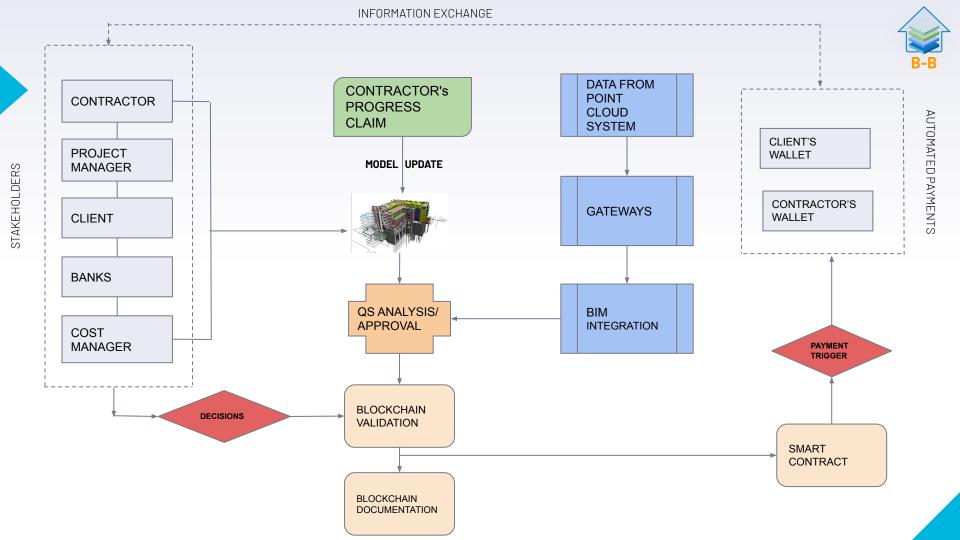




Solution: New Data Collection Method

Point cloud camera







Consortium blockchain and smart contracts Do we really need it? - <u>YES</u>



Transparency and Accountability

Fastest and Autonomous

PARTIES

SMART CONTRACT

E

SMART CONTRACT

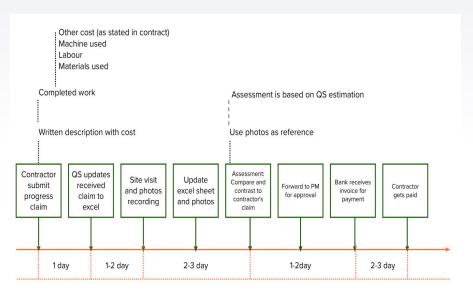
EXECUTION



Efficiency and Reduced Conflict

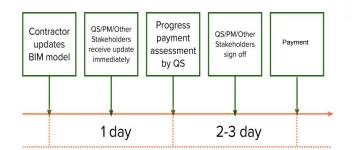


Conventional Progress Assessment and Claim Workflow



Total: 7-11 days per project per month (a QS would usually handle 3-8 project at the same time)

Proposed Assessment and Claim Workflow



Total: 2-4 days per project per month (a QS would usually handle 3-8 project at the same time)



7-11 2-4 days



Benefits

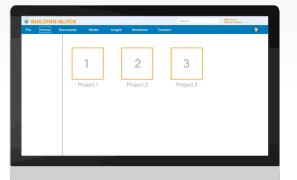
- 1. Provides transparency and monitoring capabilities
- 2. Provides safety, security and privacy
- 3. Reduced documentation time
- 4. Reduction in wait period for the contractor which increases his cash flow and improves the relationship with the client

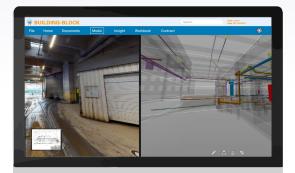
Limitations

- 1. The location of the camera needs to be changed/placed with utmost accuracy.
- 2. Coding of smart contracts needs to be accurate.
- 3. Onboarding and cost of setting up may be higher but will reduce as more people get involved.
- 4. Measurement of on site materials can be really challenging.



Proposed Interface









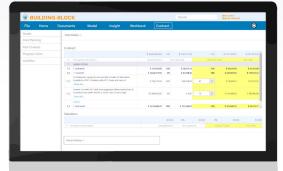
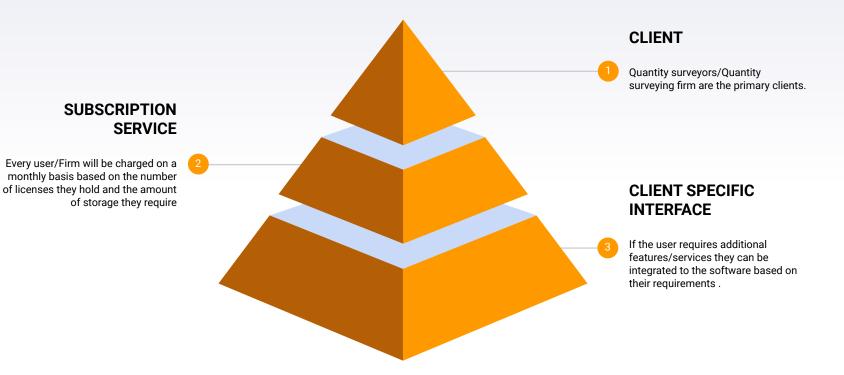


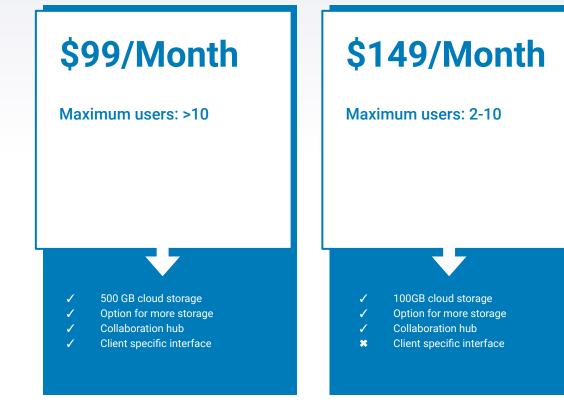


Image source: https://wieso.no/about-2/









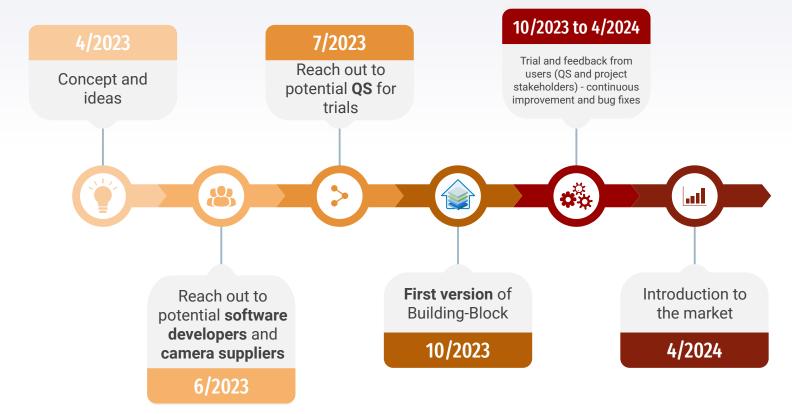
\$199/Month

Maximum users: 1

- ✓ 5GB cloud storage
- Coption for more storage
- Collaboration hub



Building-Block Roadmap





Thank You!

