AUTODESK UNIVERSITY

Why We Chose ACC Design Over Other DMS?

Presenter Name
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Will Marinos

Application Specialist – Hazen and Sawyer

I lead a team that works with internal CAD/BIM and GIS service groups to ensure our project teams can work as efficiently and consistently as possible.

The team's primary focus is on Design and Data-driven software and systems (Autodesk, Bentley, ESRI, Microsoft, etc.). We are responsible for the implementation, administration, maintenance, support, and training for all of software and systems we manage. We also provide cross-platform innovation, and research and development services.

- 25 Years working in the AEC Industry
- 15+ Years Managing Software and Systems
- 2022 is my 4th time attending AU

Hazen

Local Knowledge **Global Expertise**

all things water®

Since 1951

we have focused on providing safe drinking water and controlling water pollution.

Stormwater | Water Resources | Conveyance | Drinking Water | Wastewater | Reuse | CSO | Biosolids

Document Management System Journey

2016 - Initial Goal: Cloud-hosted DMS to be a single repository for ALL project files.

Challenges with that initial Goal:

- Hazen's Established Design Workflows allow multiple people to work on a single project at the same time.
- Hazen operates as a single company without any regionalization. Cross-office collaboration happens on every project.
- SharePoint was the established location for Office Files
- There was not many cloud-based DMS available in 2016

Solution: We prioritized the evaluation criteria focusing on what Hazen required from a DMS

Evaluation Criteria

1. No disruption to Hazen Workflows
2. Seamless Cross-Office (Internal) Collaboration
3. Seamless External Collaboration
4. Integration with Revit
5. Integration with Civil 3D
6. Integration with Plant 3D
7. Integration with Sheet Set Manager
8. System Security
9. Administration

Why We Chose ACC Design Over Other DMS?

Short Answer – ACC checked the most boxes

Long Answer – ACC provided a single location for all design files while also providing future growth opportunities with Takeoff, Build, Tandem, and ESRI GIS Workflows

D.M.S.	Hazen Workflows	Internal Collab.	External Collab.	Civil 3D	Plant 3D (P&ID)	Revit	Sheet Sets	Security	Admin
Buzzsaw	✚	▬	▬	✚	▬	✖	✚	▬	▬
Riverbed	✚	▬	✖	✚	✚	✚	✚	✚	✚
ProjectWise	✖	✚	✚	✚	✖	✚	▬	✚	✚
Revit Server	✚	✚	✖	✖	✖	✚	✖	✚	✚
BIM 360 Team	✚	✚	✚	✖	✚	✚	✖	✚	▬
BIM 360 Docs	✚	✚	✚	✚	✚	✚	✖	✚	▬
Nasuni	✚	▬	✖	✚	✚	✚	✚	✚	✚
Panzura	✚	✚	✖	✚	✚	✚	✚	✚	✚
ACC Design	✚	✚	✚	✚	✚	✚	✖	✚	▬

Tech Apps.

Doc. Mgmt. Sys. Timeline

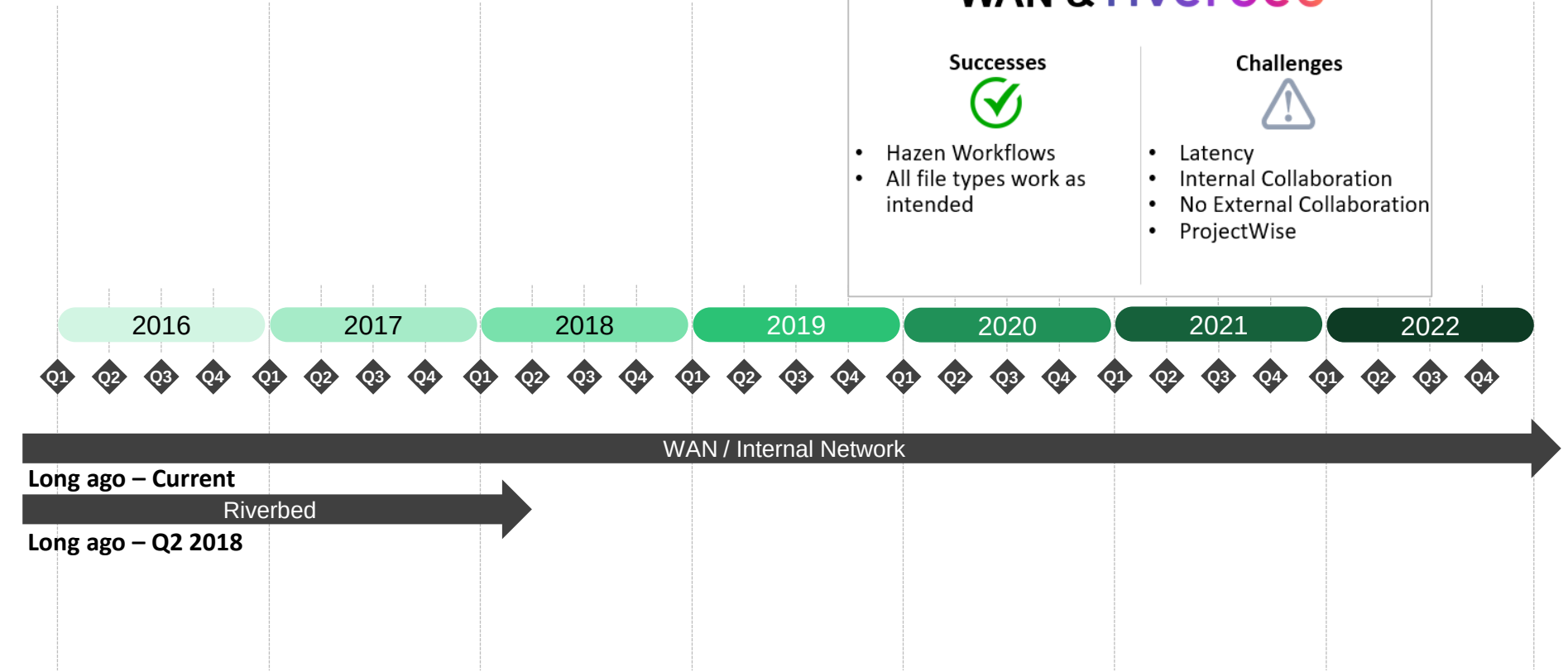
WAN & riverbed

Successes

- Hazen Workflows
- All file types work as intended

Challenges

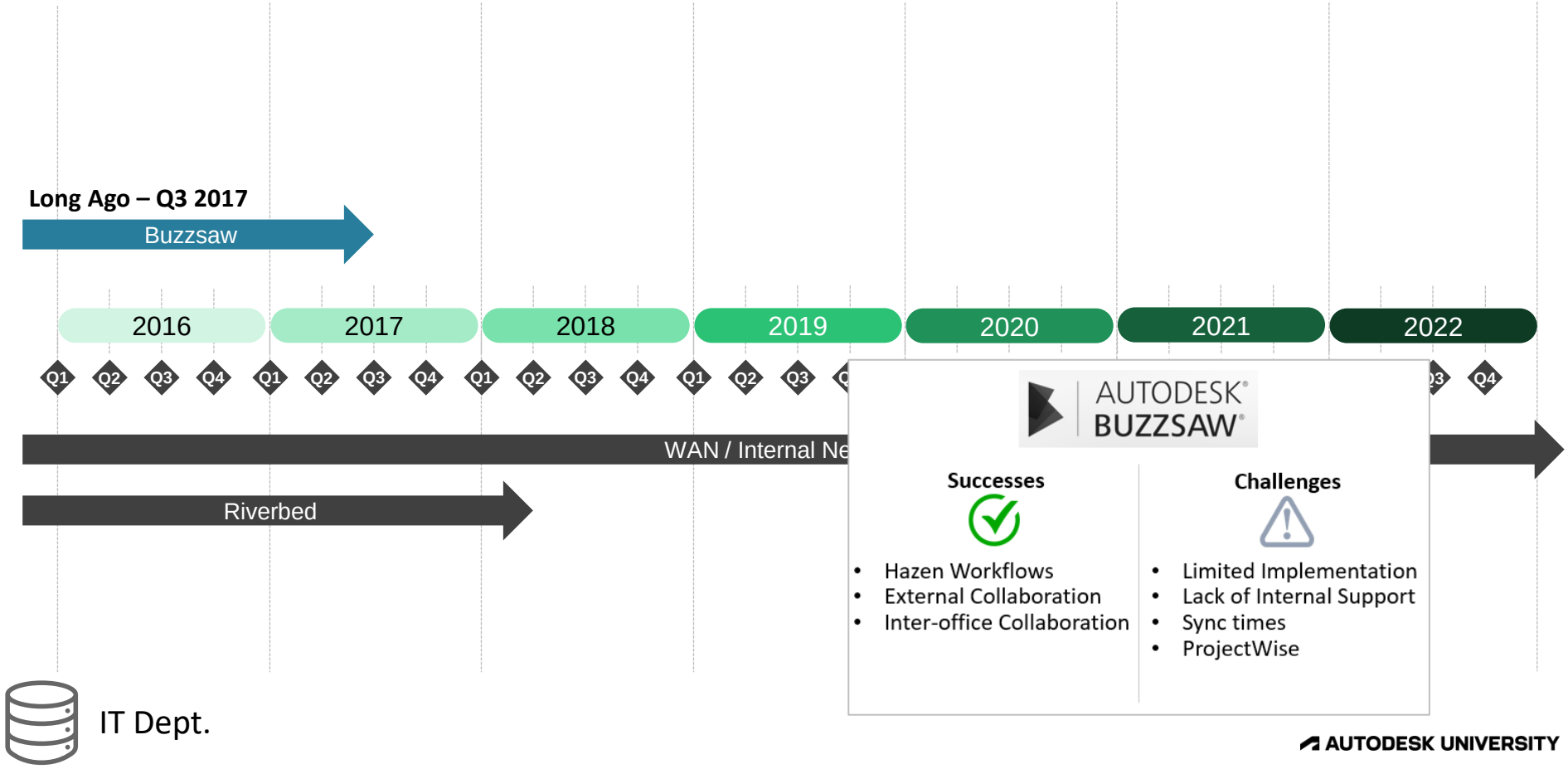
- Latency
- Internal Collaboration
- No External Collaboration
- ProjectWise



IT Dept.

Tech Apps.

Doc. Mgmt. Sys. Timeline



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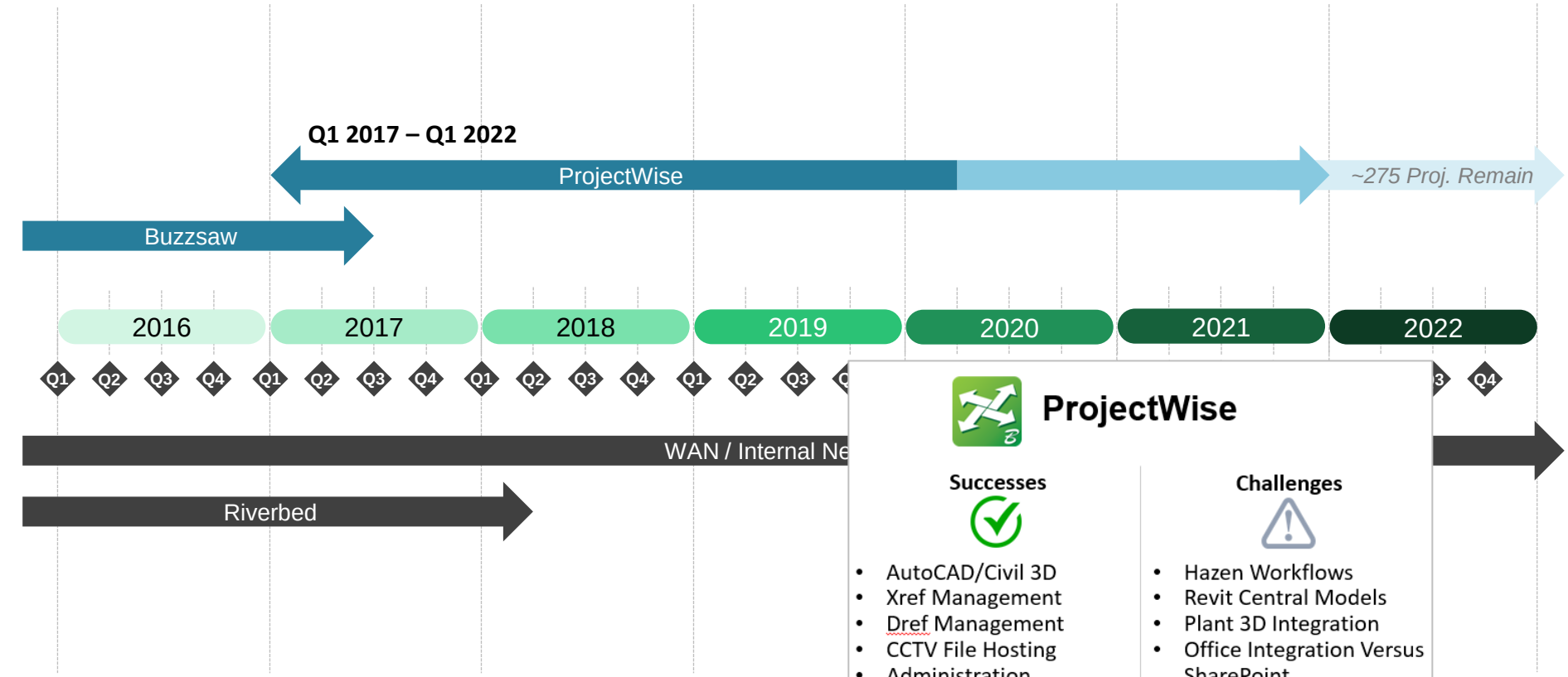

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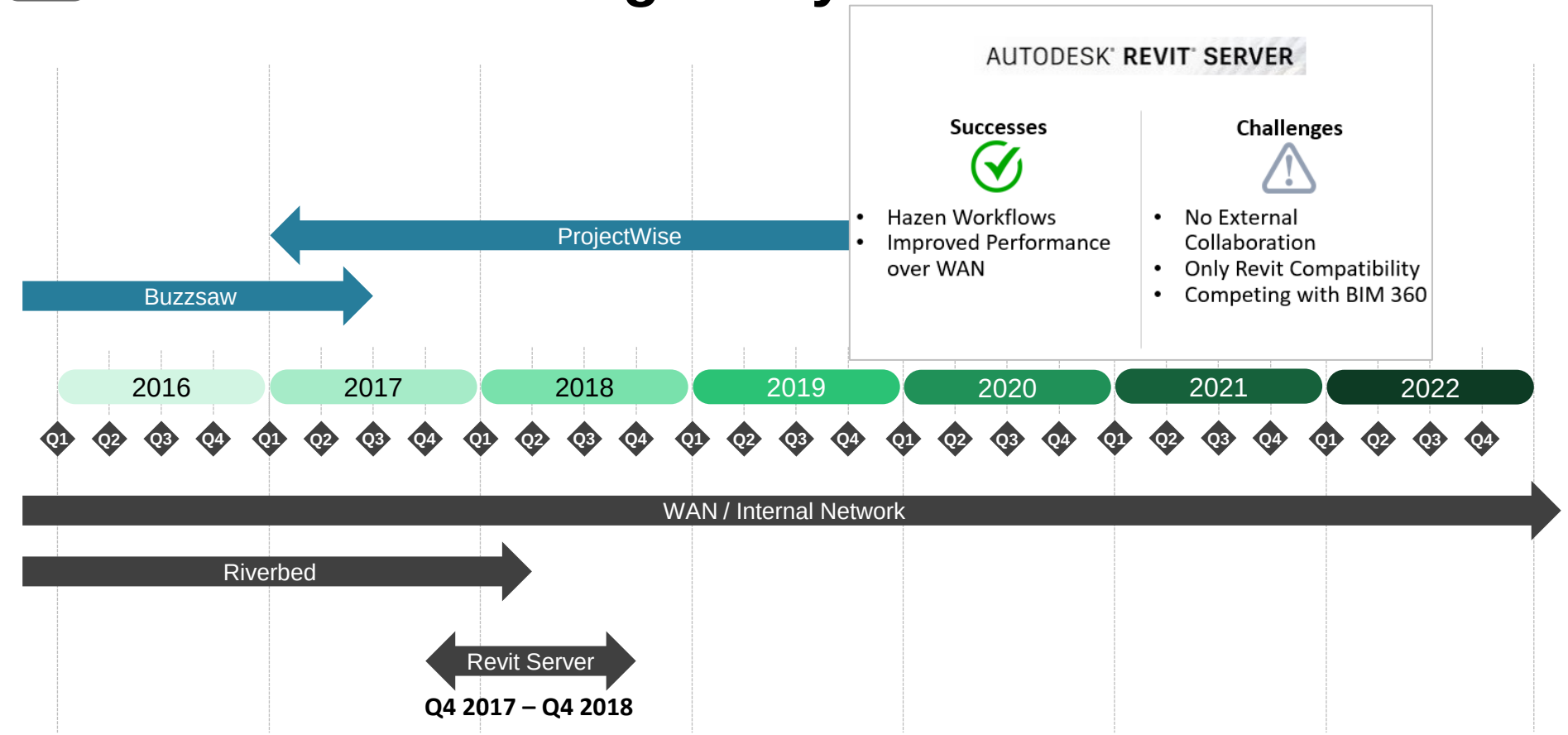

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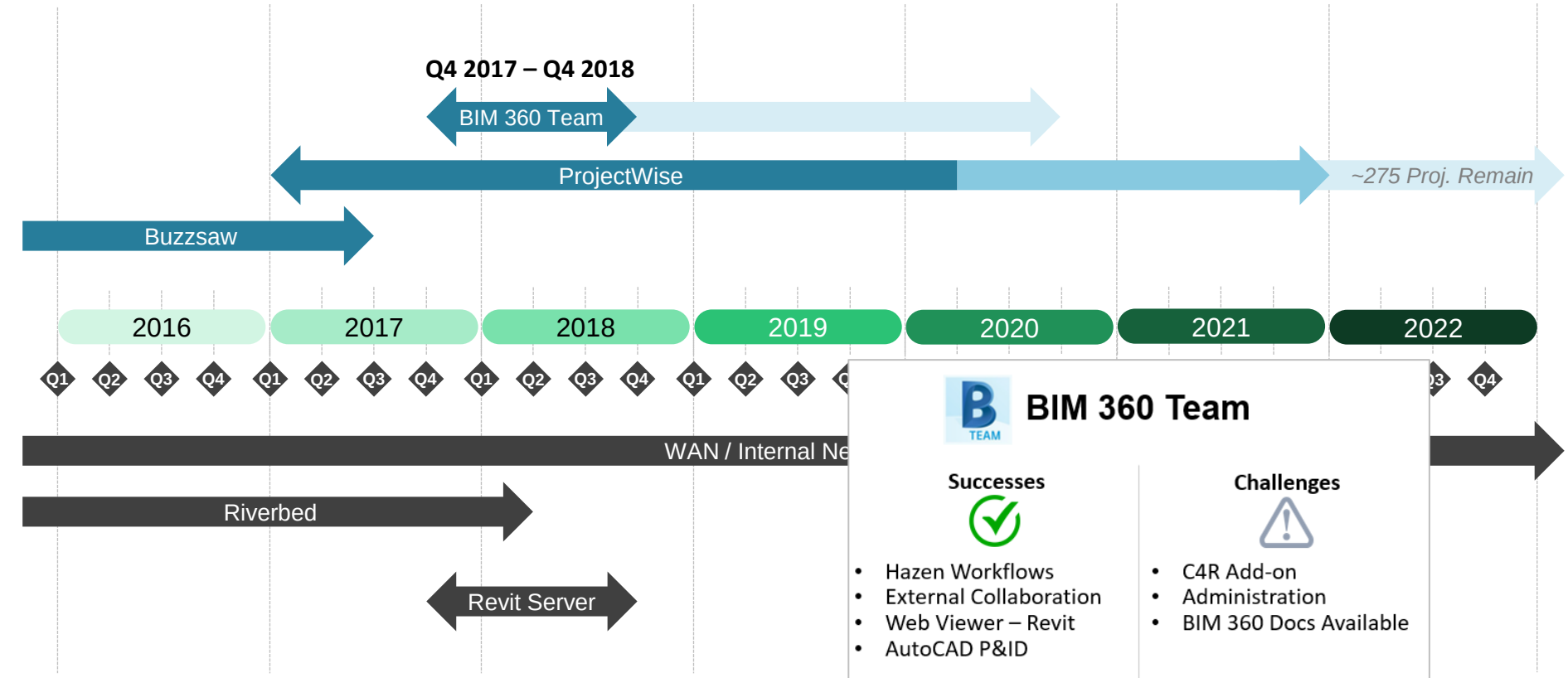

BIM 360 Team

Successes

- Hazen Workflows
- External Collaboration
- Web Viewer – Revit
- AutoCAD P&ID

Challenges

- C4R Add-on
- Administration
- BIM 360 Docs Available

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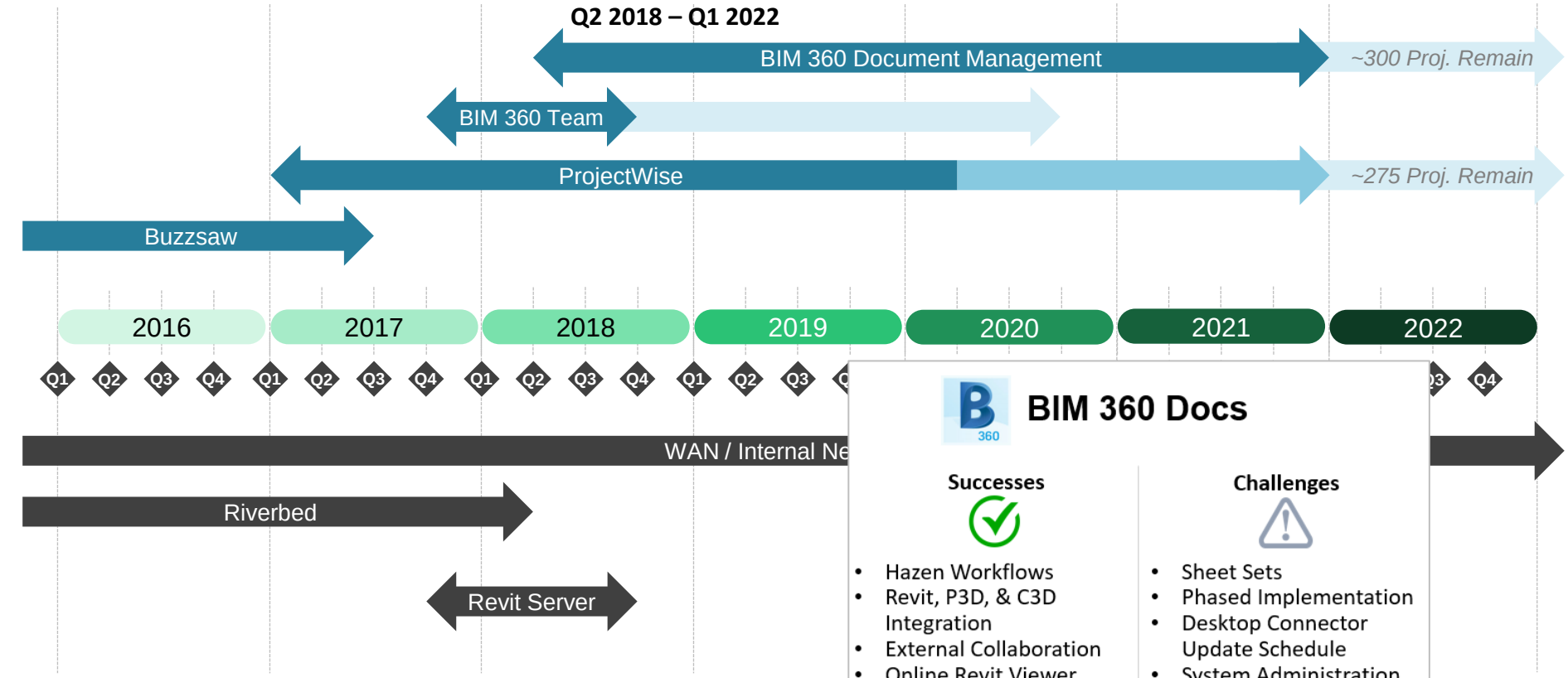
Tech Apps.

Doc. Mgmt. Sys. Timeline



BIM 360 Docs

Successes

- Hazen Workflows
- Revit, P3D, & C3D Integration
- External Collaboration
- Online Revit Viewer
- Online DWG Viewer

Challenges

- Sheet Sets
- Phased Implementation
- Desktop Connector Update Schedule
- System Administration

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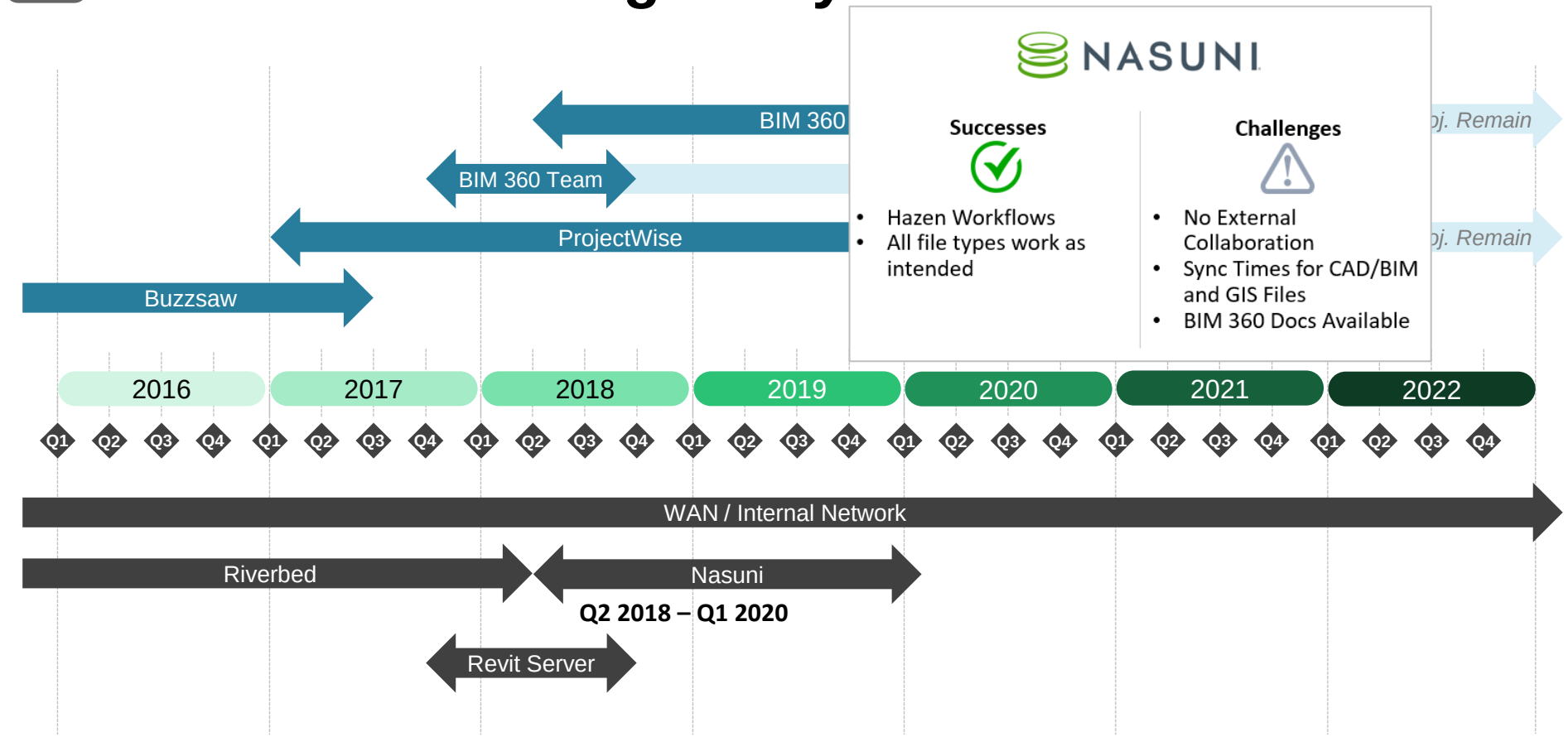

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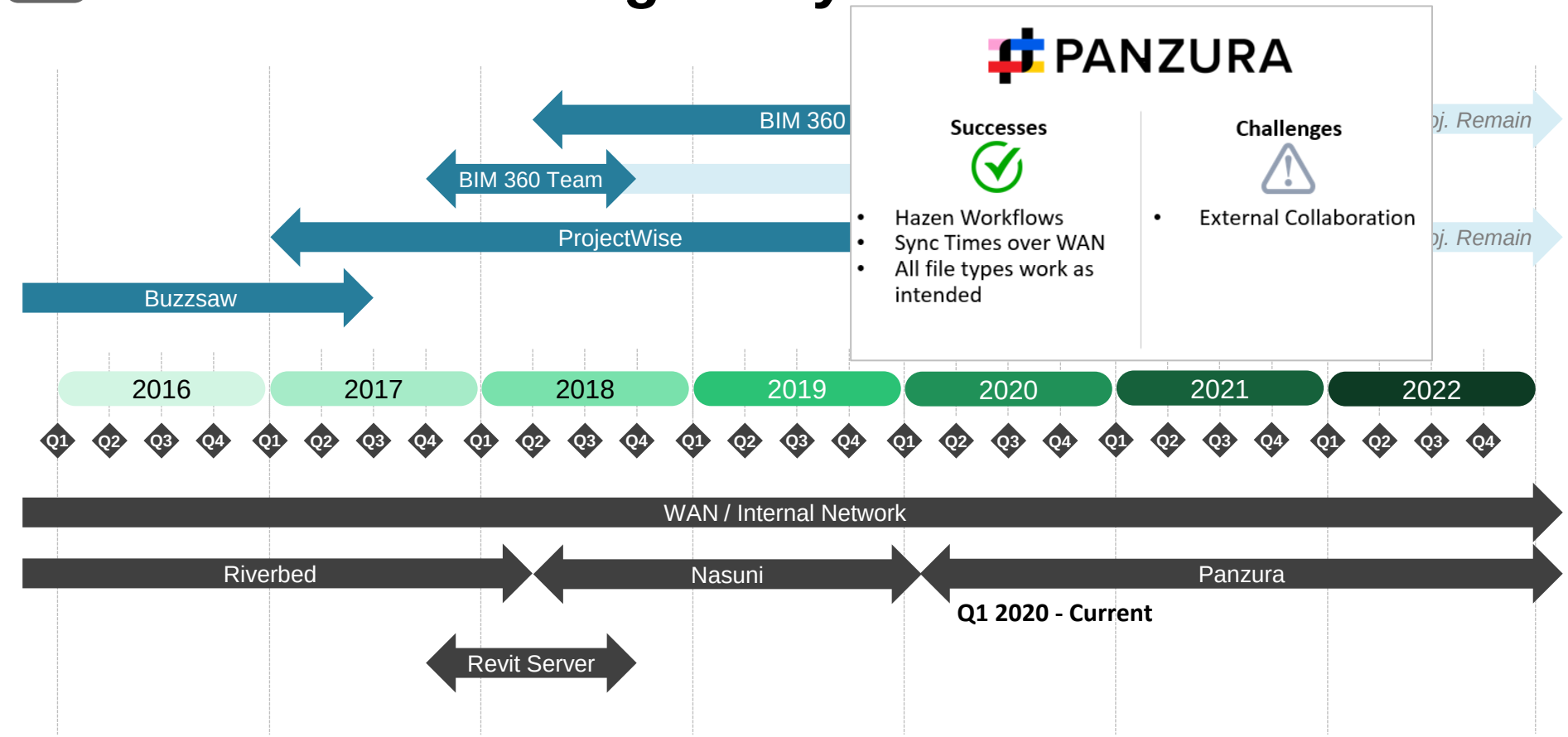

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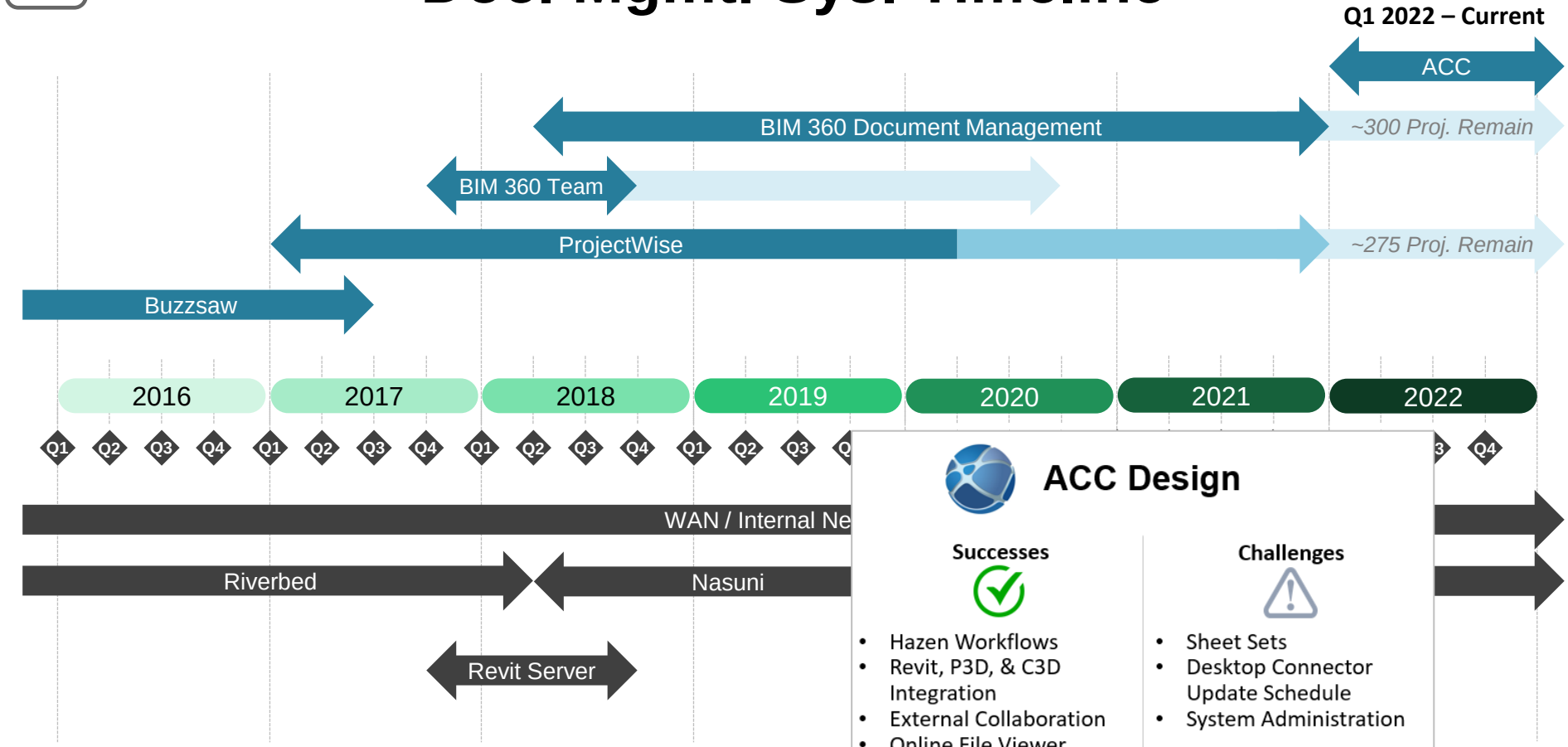

ACC Design

Successes

- Hazen Workflows
- Revit, P3D, & C3D Integration
- External Collaboration
- Online File Viewer

Challenges

- Sheet Sets
- Desktop Connector Update Schedule
- System Administration

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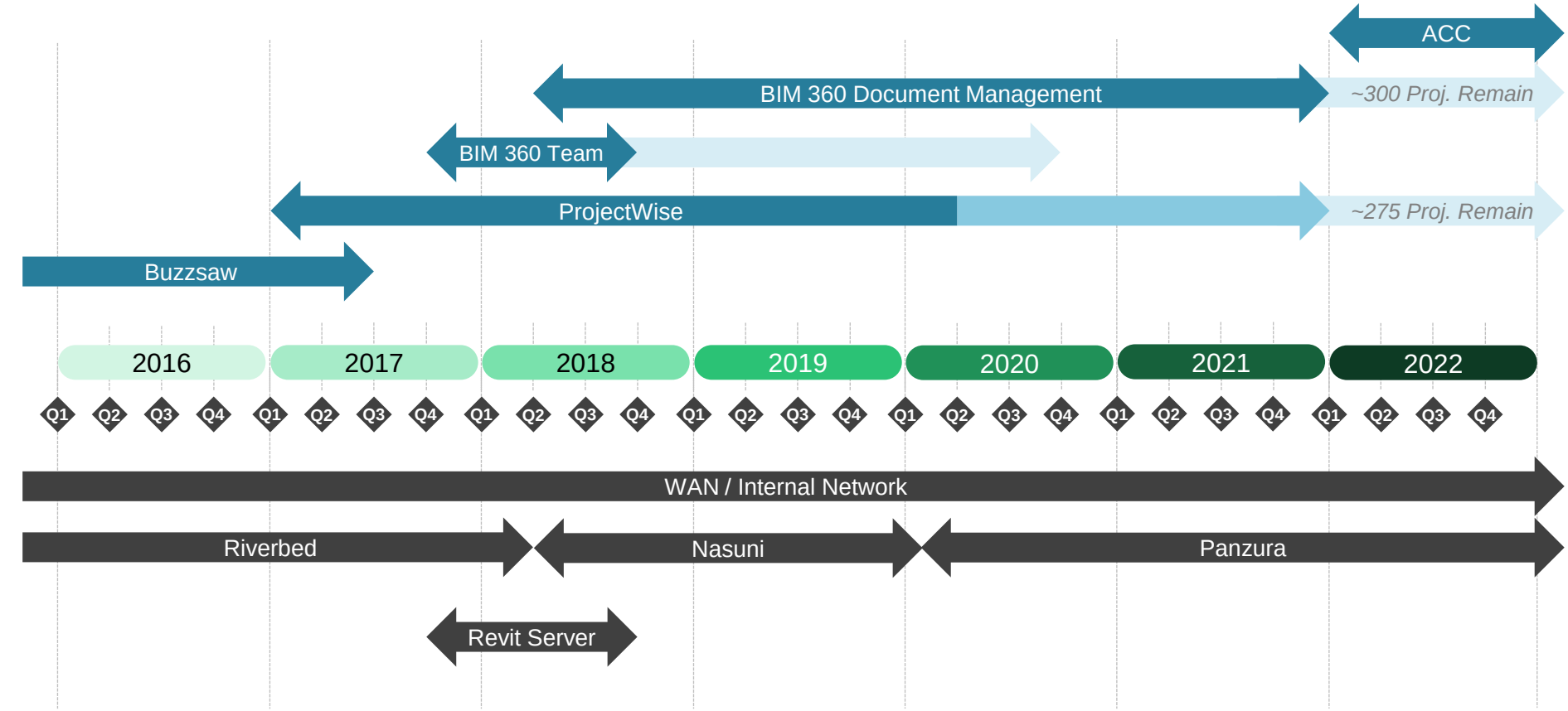

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Summary

The needs of each company will differ therefore when evaluating available Doc. Mgmt. Systems, the chosen system should best fit the company's needs.

- The Autodesk Construction Cloud provides a single location for all design files while also being the best option to facilitate Hazen workflows.
- Hazen is currently pilot testing ACC Build with our Construction Services team and are hoping to implement ACC Takeoff for our Cost Estimating team this year too.
- ACC is also playing a critical role in our GeoBIM workflows as we transition BIM content to Asset and Facility Management software.

Recommendations

When trying to determine which Document Management System is the best fit:

1. Perform an internal Needs Assessment.
2. Prioritize those Needs.
3. Have clearly defined goals that outline what “Done” looks like.
4. Make sure all departments are on the same page.
5. Research each DMS before implementing or testing
6. Create a detailed implementation plan before starting the implementation

Questions?

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