ARCADIS Design & Consultancy for natural and built assets

Design Collaboration NextGen

Roland Mulders – Implementation and Support BIM 360 - Arcadis

Marcel Lanjouw – Implementation Consultant BIM 360 - Autodesk

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Introduction

About the speaker

Roland Mulders

62 years old

Based in the Netherlands

Support and implementation of Collaboration & BIM360 for Arcadis EMU

About the speaker

Marcel Lanjouw

45 years old

Based in the Netherlands

Implementation Consultant Construction Autodesk

Specialization BIM360

About Arcadis

Arcadis is the leading global Design & Consultancy firm for natural and built assets. Applying our deep market sector insights and collective design, consultancy, engineering, project and management services we work in partnership with our clients to deliver exceptional and sustainable outcomes throughout the lifecycle of their natural and built assets. We are 27,000 people active in over 70 countries that generate €3.3 billion in revenues. Arcadis. Improving quality of life.

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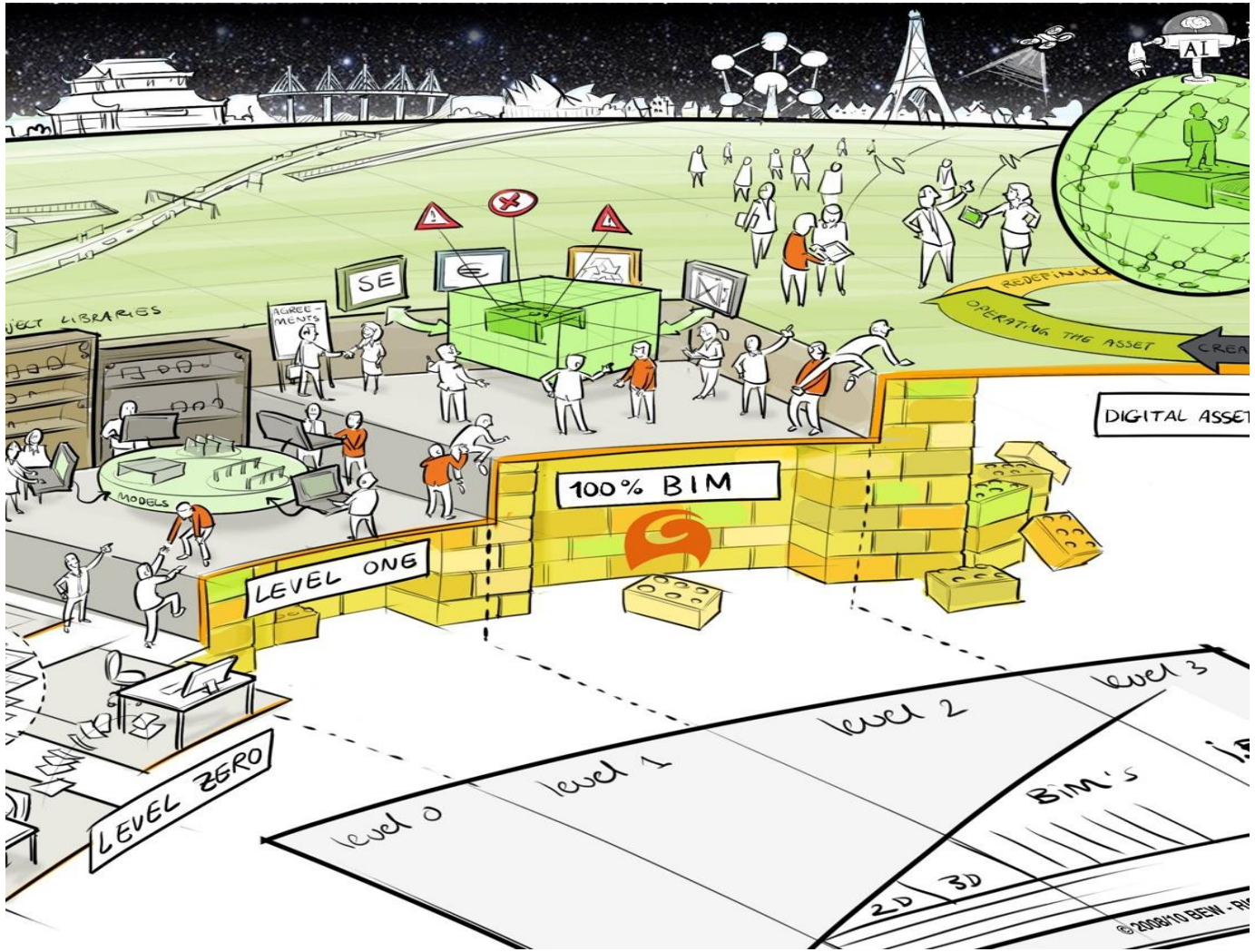
Arcadis 100% BIM



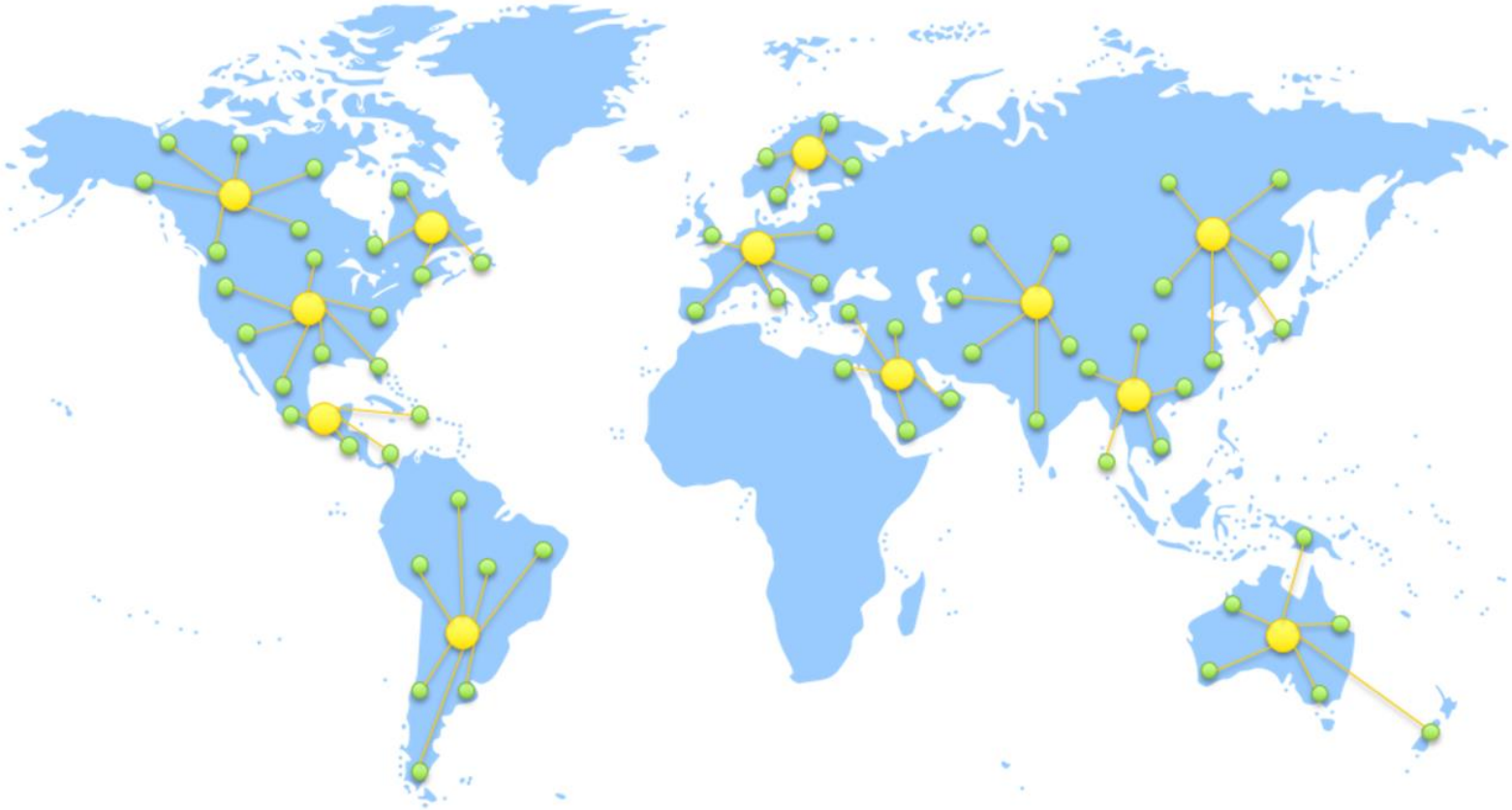
Background

Background

Arcadis started 1.5 year ago with the implementation of BIM360 Docs on projects all around the globe.

First challenge was: How to rollout such a tool on a global scale, without losing the idea of standardization?

12 to many



12 "Lighthouse" projects in 3 Geo's

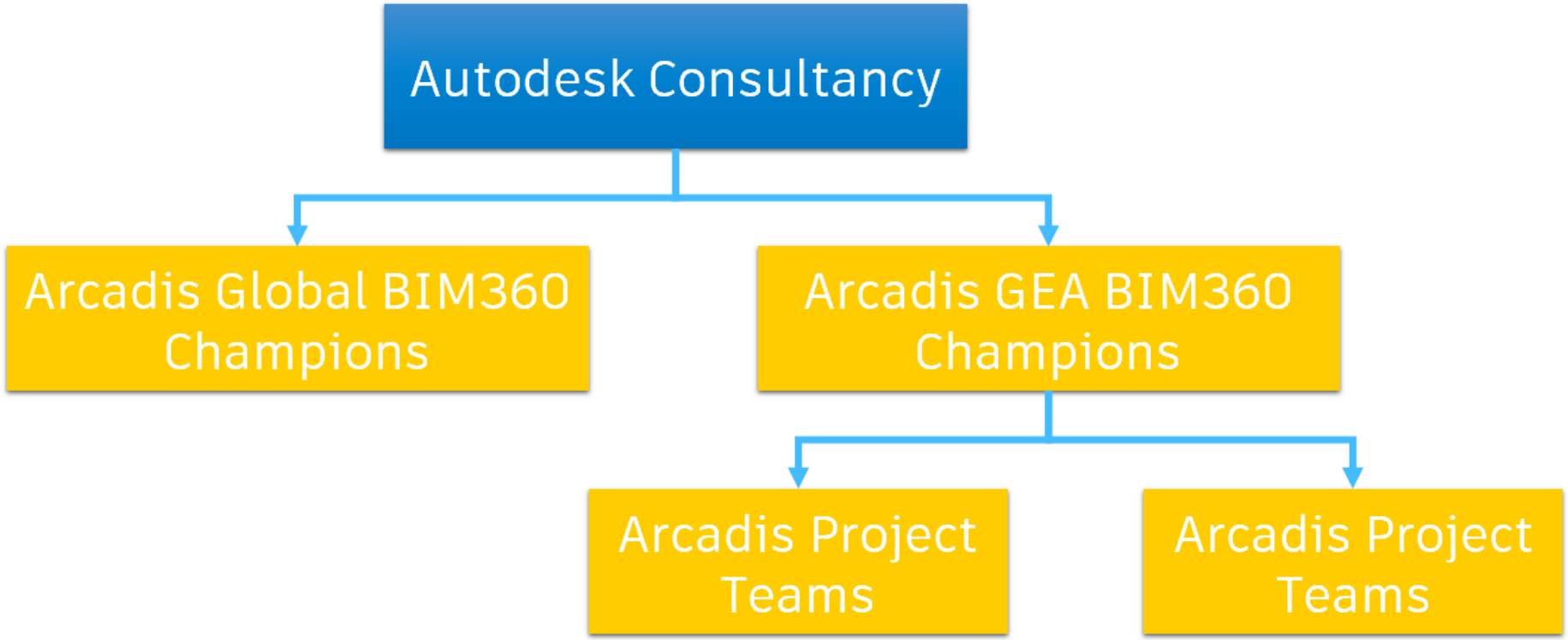
Lighthouse projects

Defined 12 lighthouse projects

- Spread over the global regions and disciplines which represents the process of disciplines or business line
- Create SCO for getting maximum support in lighthouse projects
- Train and support the project team
- Define and document best practices
- Create examples and ambassadors in the Regions for other project
- At the end we have a set workflows and best practices which can be used in all that kind of project globally

What's driving the rapid adoption?

Train-the-trainer Concept



What was missing?

Seamless integration between Design and Document Management

Evolution BIM360

First focus BIM360 Docs

During the year the focus changed from BIM360 Docs to BIM360 "NextGen" because of the evolution of the BIM360 Family.

Reason:

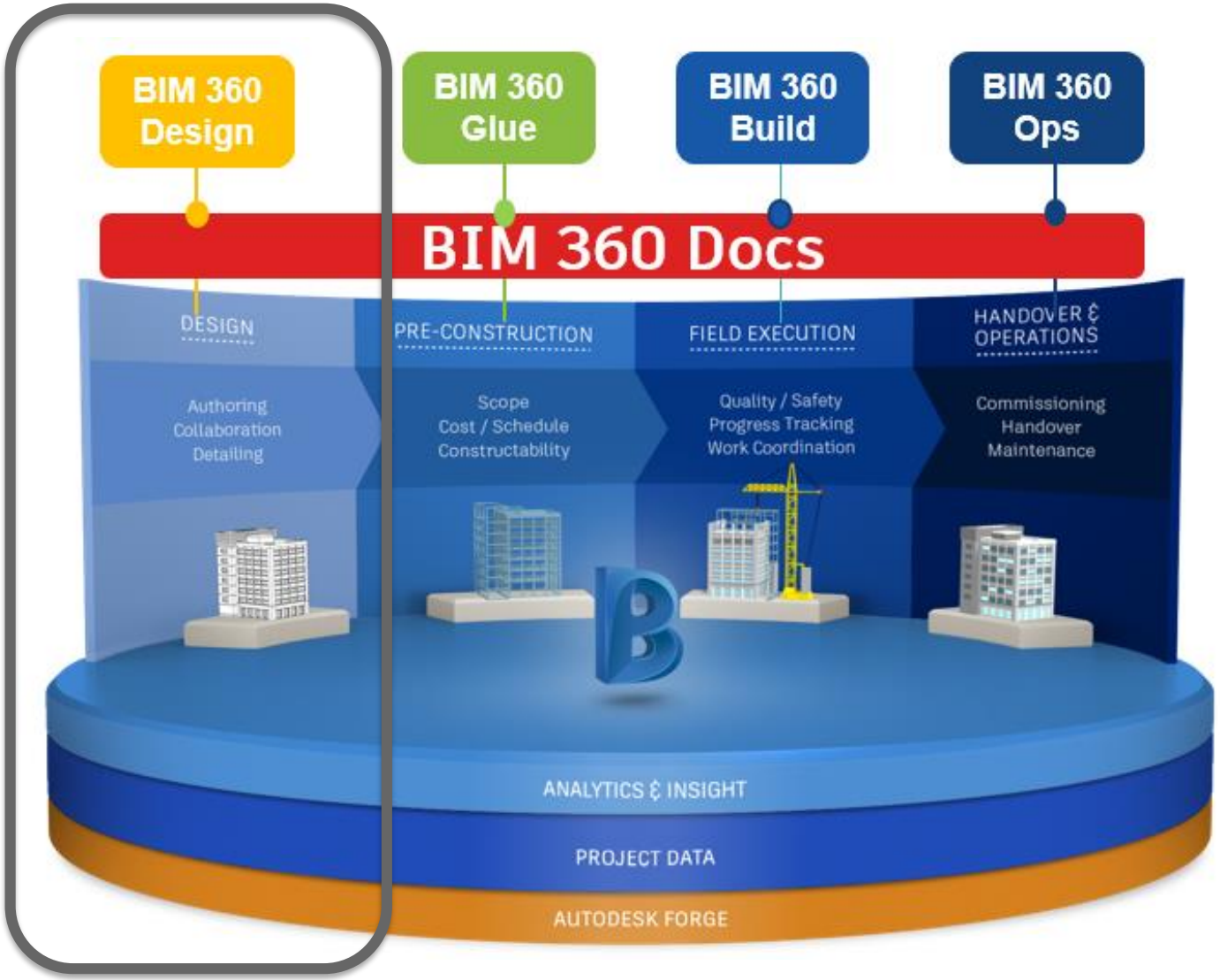
- Missing workflows/functionalities where added
- New toolsets available

Evolution BIM360

BIM360 Docs

Revit Worksharing

Design Collaboration



Implementation BIM360 Design

PHASE 1

BIM360 TEAM + C4R

Implementation started in 2016

PHASE 2

BIM360 DOCS + REVIT WORKSHARING

Implementation started April 2018

PHASE 3

BIM360 DOCS + REVIT WORKSHARING + DESIGN COLLABORATION

Implementation started May 2018

PHASE 4

BIM360 DOCS + WORKSHARING + DESIGN COLLABORATION

Future

Phase 1

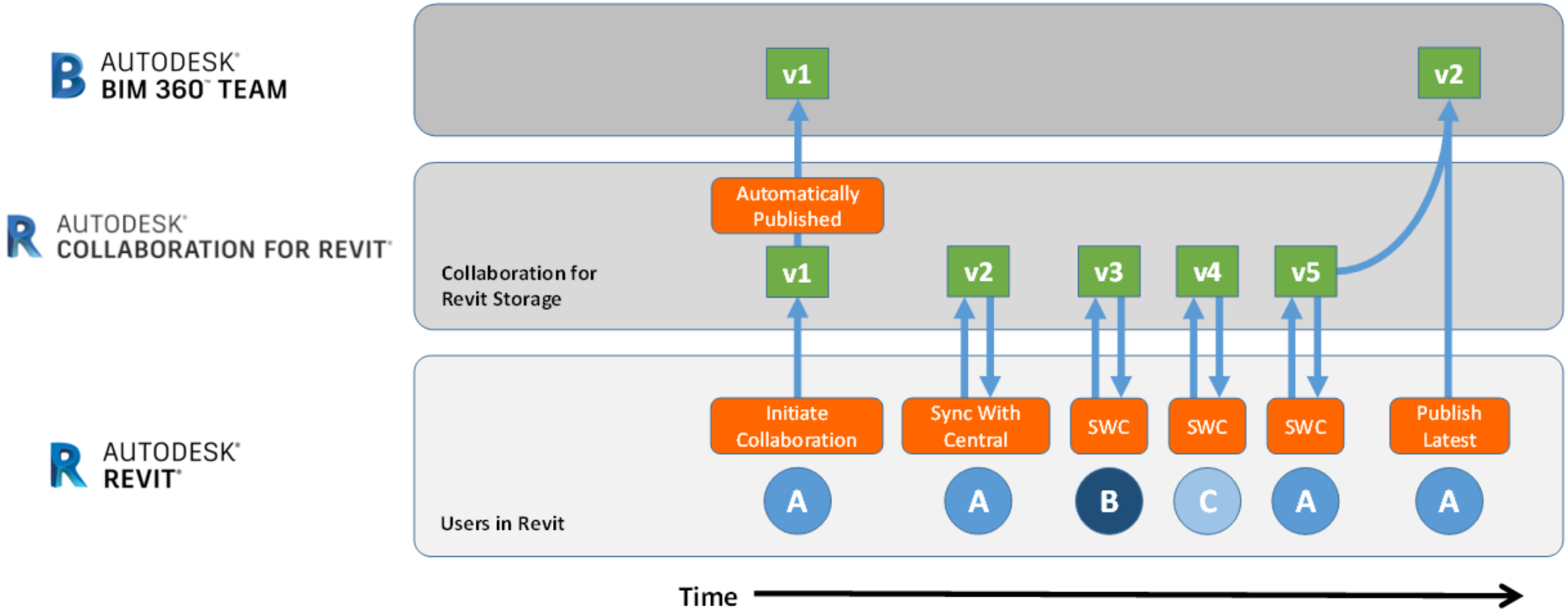
BIM360 Team + C4R

Cloud Worksharing

Phase 1:

Arcadis implemented BIM360 Team with Collaboration 4 Revit as Cloud based Collaboration platform

BIM360 Team + Collaboration 4 Revit



BIM360 Team + Collaboration 4 Revit

PRO'S

- Easy collaboration with global teams/offices
- Access to latest published information anytime, anywhere
- Share of latest published information with other team members, without need of Revit

CON'S

- Low level of security
- No visible split in teams
- Revit only
- No control of Shared information from other teams
- No connection to BIM360 Document Management

Phase 2

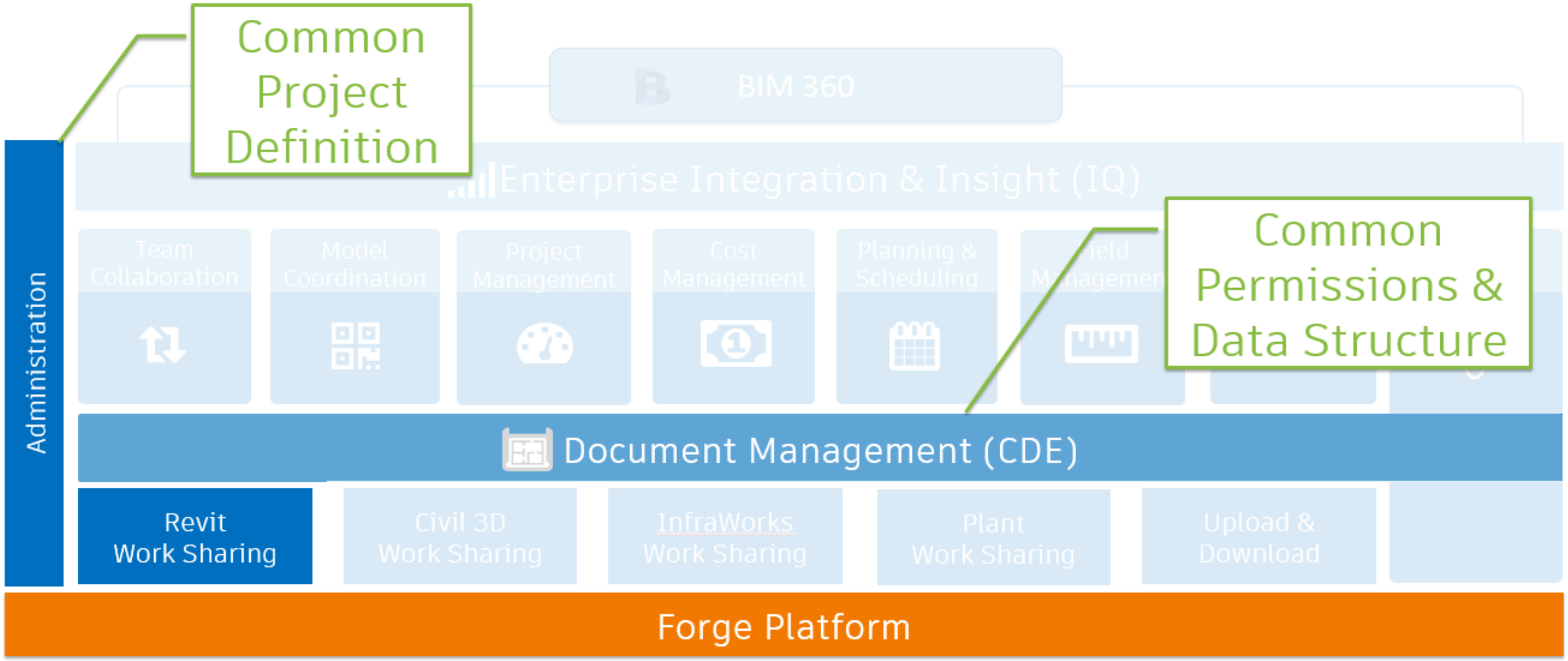
BIM360 Docs + Revit Worksharing

High Trust Design Collaboration

Phase 2:

With the release of BIM360 Design, Arcadis got the possibility to integrate the Design environment with BIM360 Docs.

BIM360 Docs + Revit Worksharing



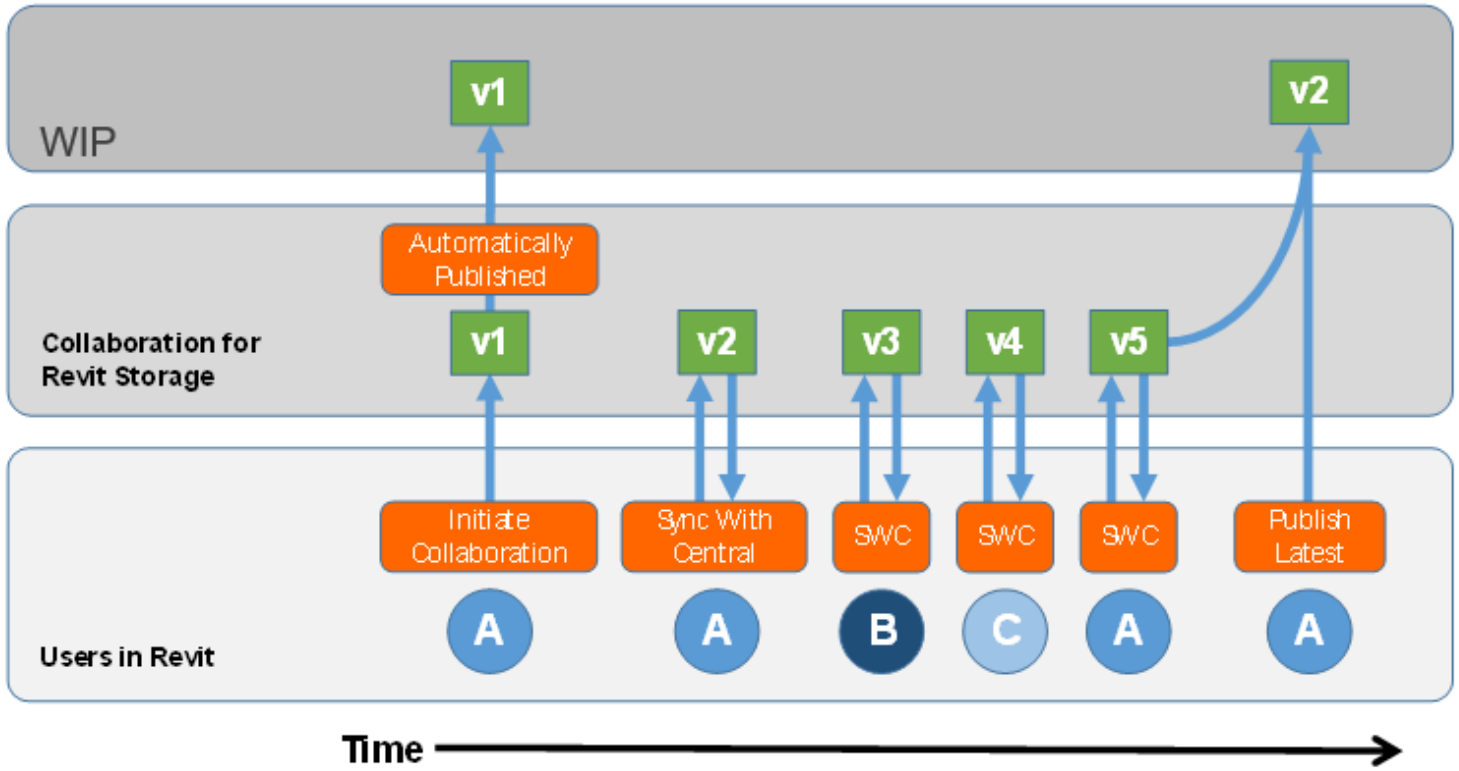
BIM360 Docs + Revit Worksharing

High Trust

AUTODESK® BIM 360™ DOCS

AUTODESK® COLLABORATION FOR REVIT®

AUTODESK® REVIT®



BIM360 Docs + Revit Worksharing

PRO'S

- Easy collaboration with global teams/offices
- Access to latest published information anytime, anywhere
- Share of latest published information with other team members, without need of Revit
- Security / Permissions

CON'S

- Revit only
- No control of Shared information from other teams

Phase 3

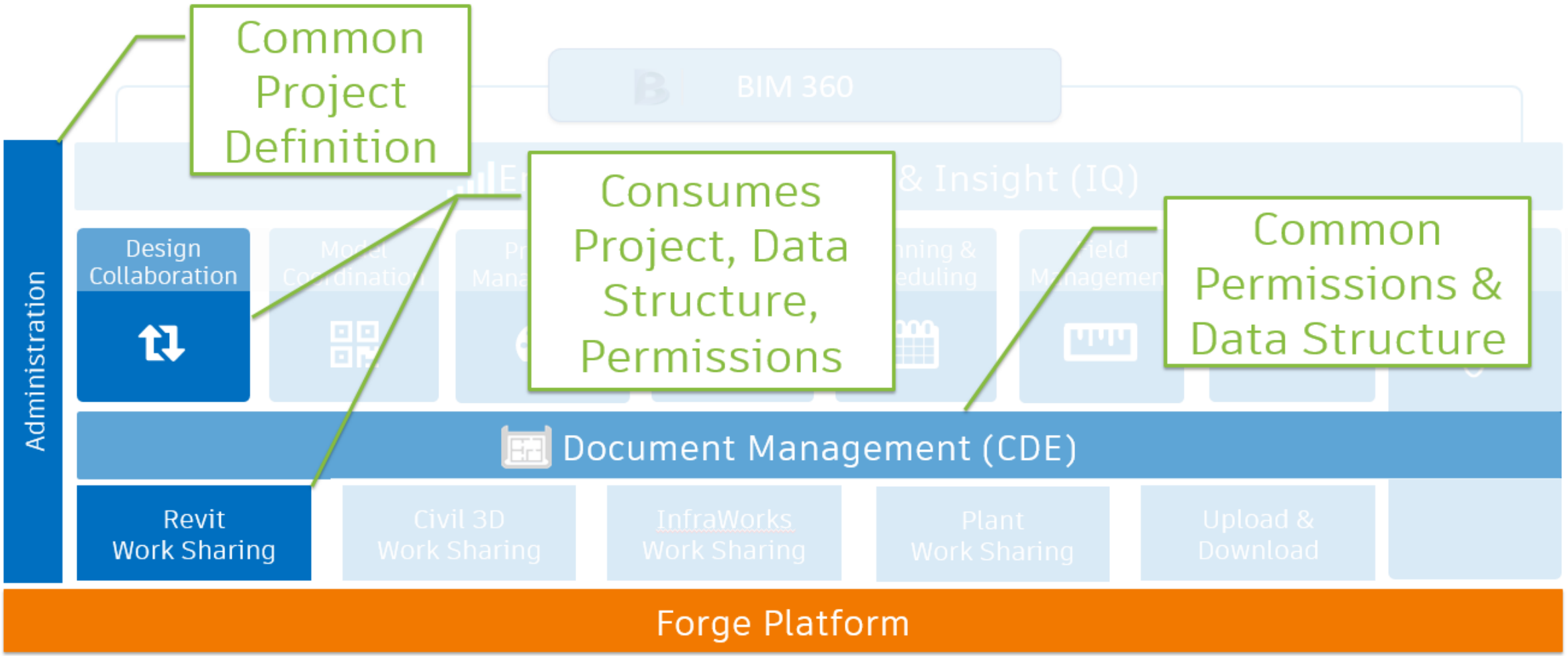
BIM360 Docs + Revit Worksharing + Design Collaboration

Low Trust Design Collaboration

Phase 3:

With BIM360 Design Collaboration it's now possible to create a secure design environment. This allows to have a "safe" environment to collaborate with external design partners.

BIM360 Docs + Revit Worksharing + Design Collaboration



BIM360 Docs + Revit Worksharing + Design Collaboration

Low Trust

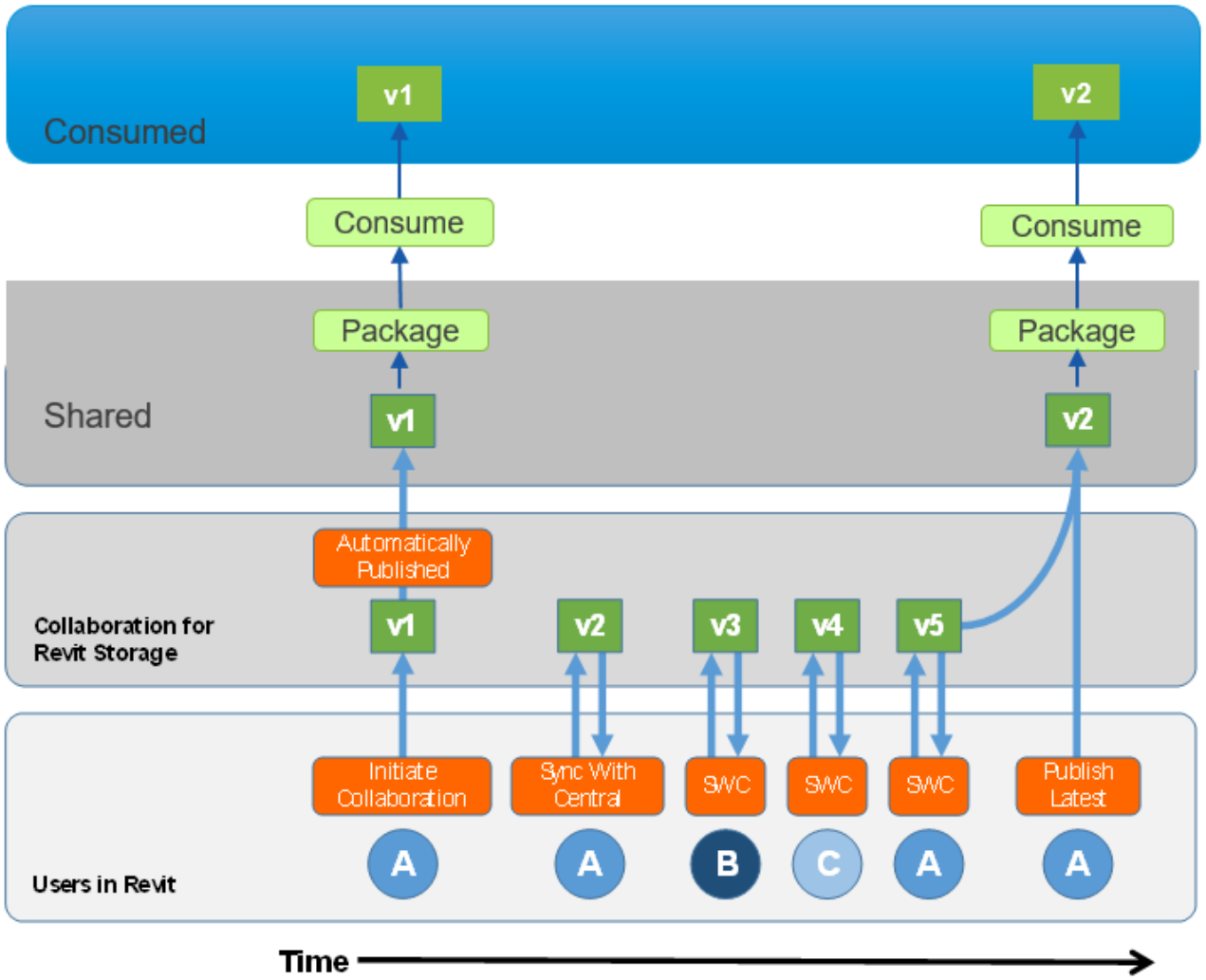
AUTODESK® BIM 360™ DOCS

AUTODESK® BIM 360™

Design Collaboration

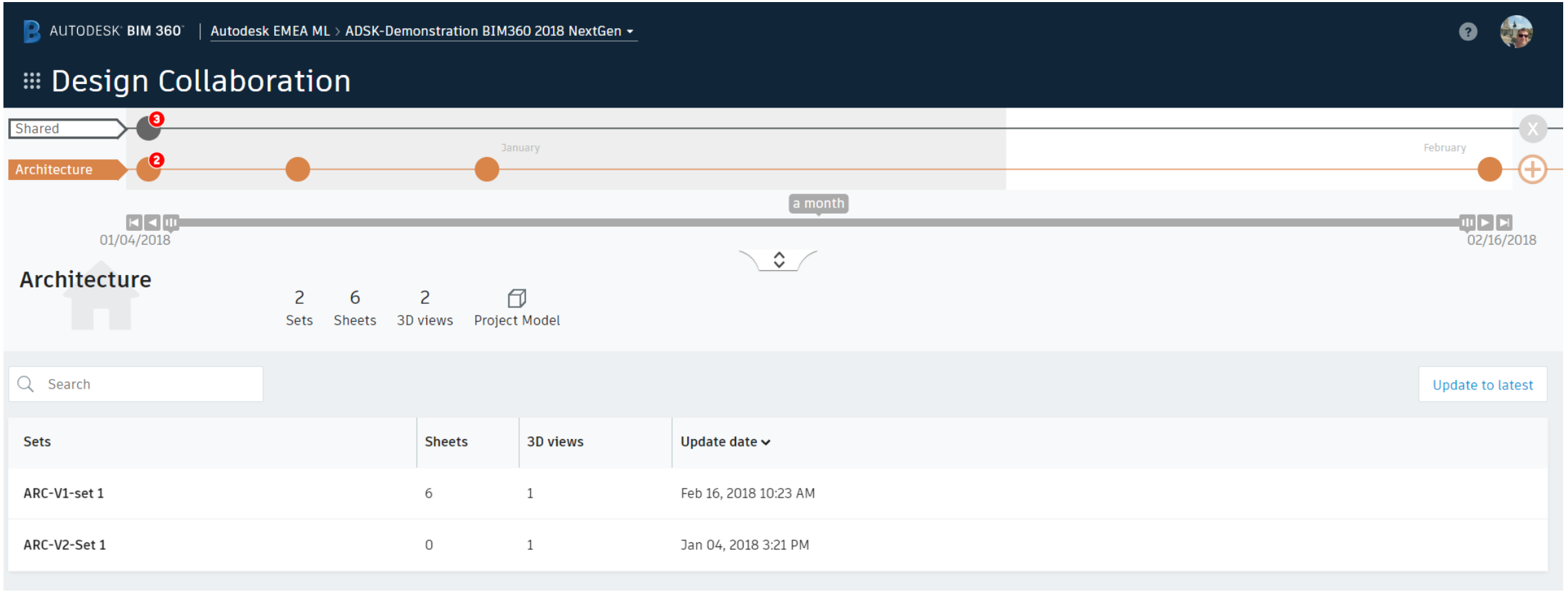
AUTODESK® COLLABORATION FOR REVIT™

AUTODESK® REVIT®



BIM360 Docs + Revit Worksharing + Design Collaboration

Low Trust



BIM360 Docs + Revit Worksharing + Design Collaboration

PRO'S

- Easy collaboration with global teams/offices
- Access to latest published information anytime, anywhere
- Share of latest published information with other team members, without need of Revit
- Security / Permissions
- Control over shared information from other teams (Share/Consume workflow)

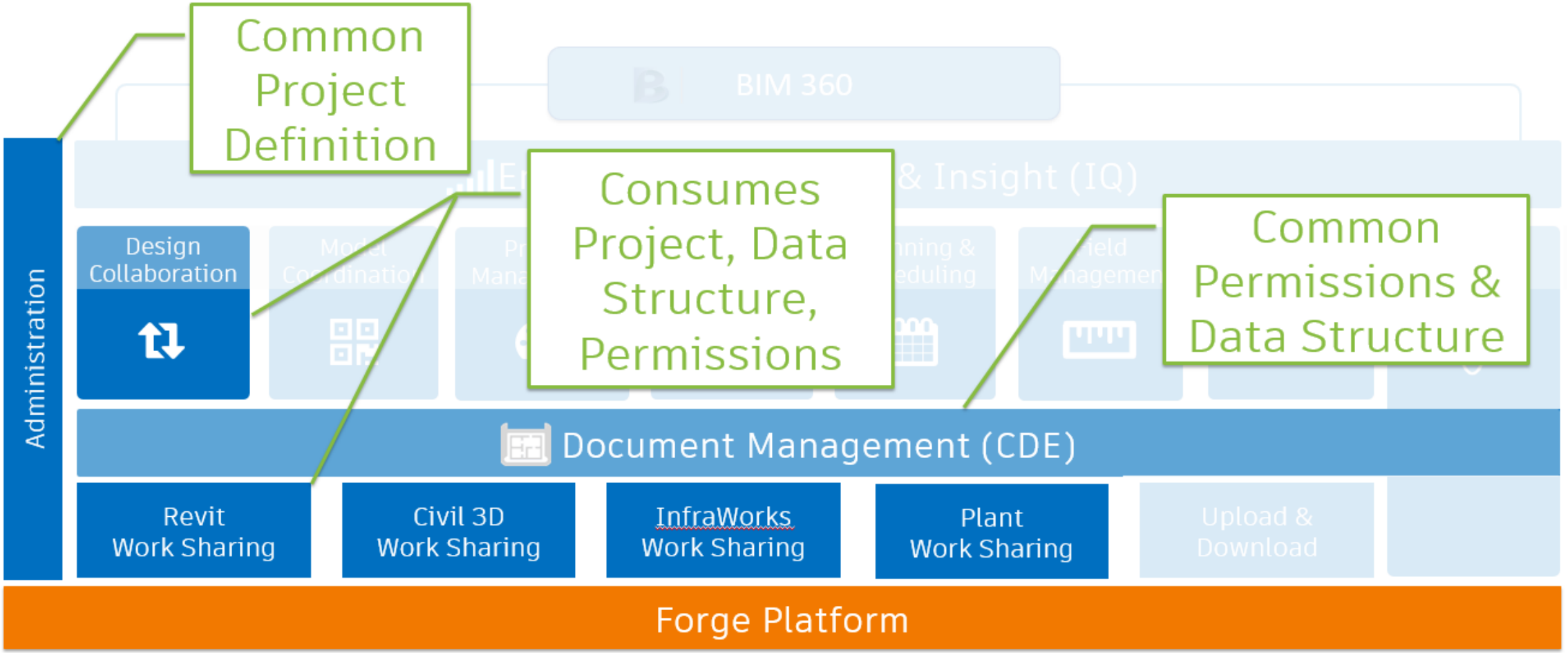
CON'S

- Revit only

Phase 4

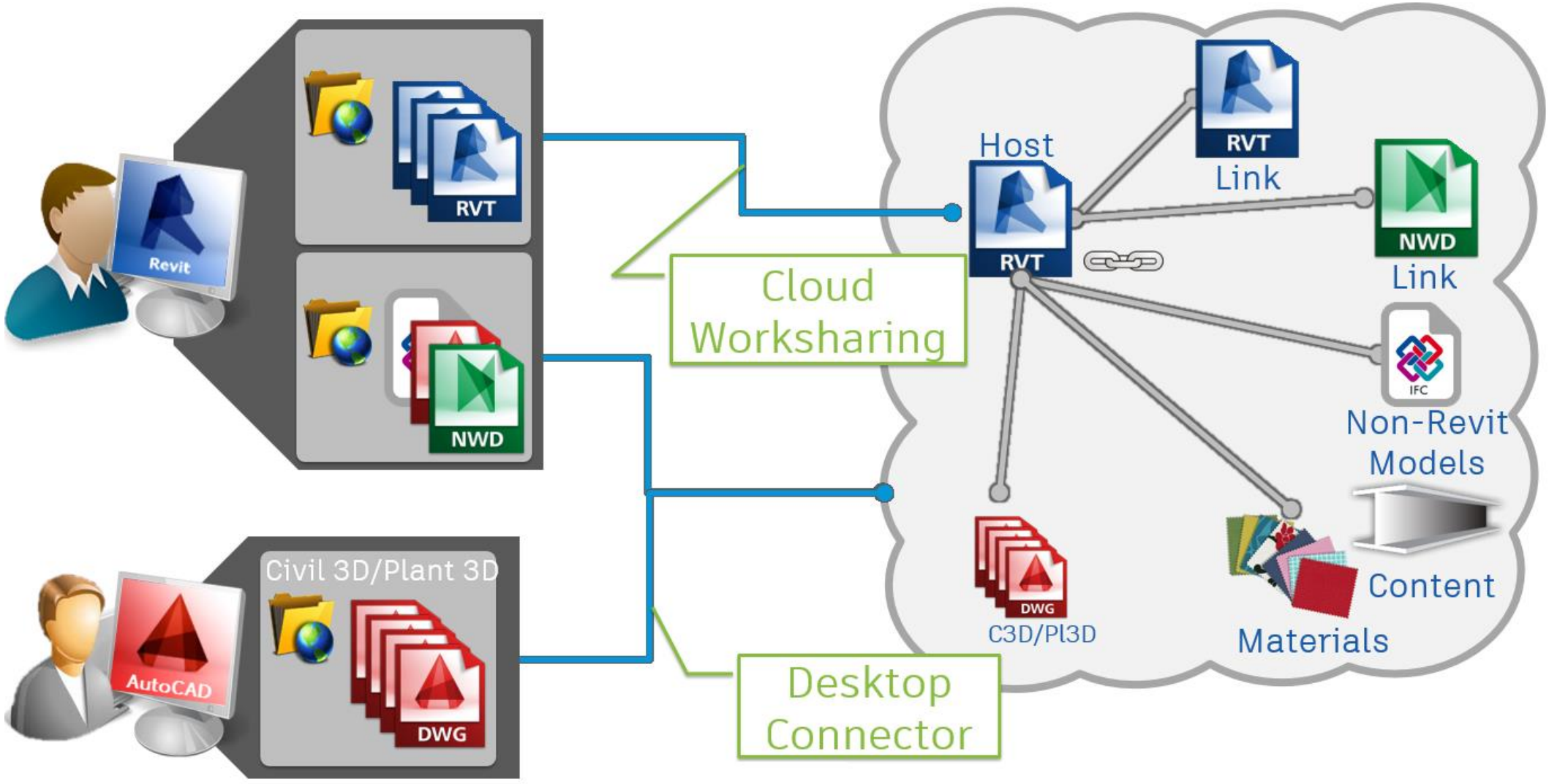
BIM360 Docs + Worksharing + Design Collaboration

BIM360 Docs + Revit Worksharing + Design Collaboration



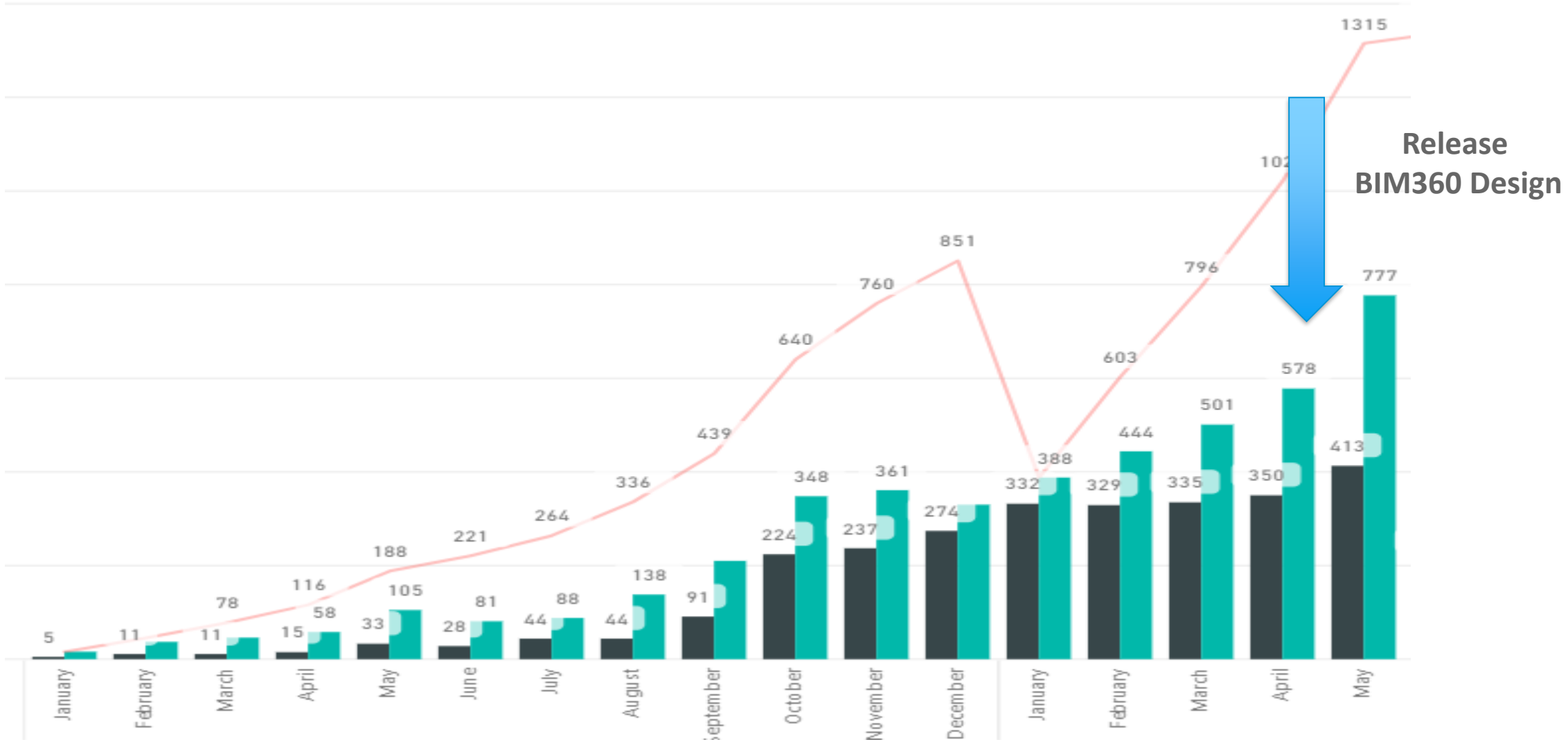
Today at Arcadis

Design Collaboration Today



BIM360 Adoption

BIM360 Docs Usage



Lessons learned

Lessons learned Lighthouse projects

- Define realistic goals
- Inform team
- Advanced team
- Extended support from Autodesk
- Flexible thinking
- Knowledge sharing
- Standardized Project approach
- Close interaction with Autodesk Product Development
- Spread the word within Arcadis

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Make anything.

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