

Version control for a 2,000-part assembly

How Cremmjoy moved off a SharePoint shared drive, and what their SolidWorks® 3D CAD team runs now.

2,000

components in the
main assembly

4 → 5

CAD users working
the same files

<20

minutes to set up.
No servers, no VPNs



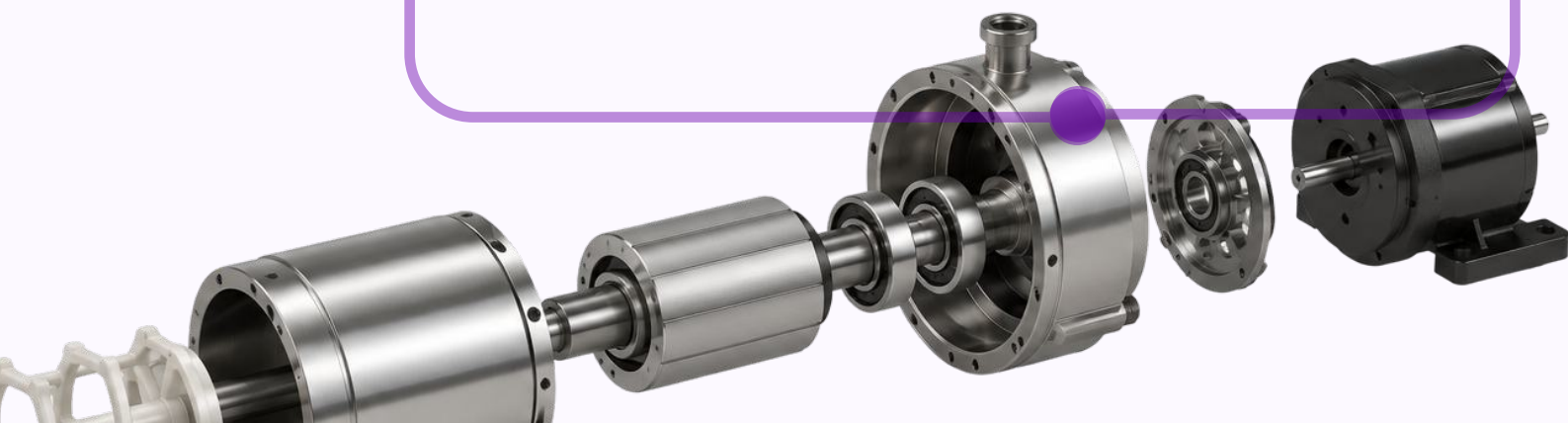
Revision A

By: **Jason Hugenroth**
First upload



Released

By: **Kevin Kelly**
Added rib for
increased strength



1. Challenge

Outgrowing a shared drive

Cremmjoy designs and builds soft serve and slush machines. Four engineers work in SolidWorks on a single assembly of roughly 2,000 components, and the team is growing to five. The files lived on a SharePoint shared drive. Three things stopped working at that size.

01 No version history

Files sat in shared folders with no version tracking. Nothing recorded who changed what, and nothing stopped one engineer's work from quietly overwriting another's.

02 A growing team on one assembly

Four CAD users going to five, all editing the same design files. Shared folders give no file locking and no way to see that a part is already open somewhere else.

03 Prototypes moving into production

Production work needs release states and a record of who approved what. A shared folder has neither, so revision status was tracked by hand and by memory.



“Previous file management relied on a shared drive without any PDM system, but with so many parts we needed better control as designs transitioned from development to production.”

Jason Hugenroth
Founder and CEO

2. The switch

What the team runs now

Engineers check files in and out directly in SolidWorks, and every check-in becomes a version the whole team can go back to. The switch took under 20 minutes with no server to buy or SQL to administer.

Check in and out, directly in SolidWorks

The native add-in puts check-in and check-out where the work already happens. Assembly references are handled for you, and a local cache folder mirrors your folder structure so files open fast, even offline.

A version on every check-in

Every check-in is recorded as a version. Open an older version, look at it in SolidWorks, restore it if you need it. No more rev issues or guessing which file is current.

Release control that locks

Designs move through In Progress, Pending Approval and Released. Released files lock against accidental edits, so what production receives is what was approved.

Every file moves through three states

In Progress



Pending Approval



Released

Released files lock automatically. Anyone can still open and view them; nobody edits them by accident.

No servers, no VPNs, no admin hassles.

Nothing to install on a server, no SQL licenses, nothing for IT to maintain. Sibe runs securely in the cloud.

3. Before and After

What changed, line by line

Metric	Shared drive	With Sibe
File management	SharePoint, no version tracking	Cloud vault, automated history
Version control	Manual and error-prone	Automatic on every check-in
File access	Shared folder, no checkout locks	Check in/out directly in CAD
Release control	None, manual memory checks	Revision workflow, released locks
Setup	No standard system in place	Live in 20 min, zero server cost

TAKE THIS WITH YOU

Moving off a shared drive: six things to get right

- 1 Freeze the old folder**
Pick a cut-off date so no new work lands in the shared drive after launch.
- 2 Fix the structure first**
Bring across the directory structure you want, not the one you inherited.
- 3 Start at top assembly**
References resolve downward. Import the top-level assembly first.
- 4 Clear missing references**
Resolve them in one pass, before anyone releases anything to production.
- 5 Agree what Released means**
Decide who approves a design, and what locks the moment they do.
- 6 Set the habit in week one**
Check out before editing, check in when done. Habit forms in days.

The short version

- A version recorded on every check-in, without leaving SolidWorks
- Check-out visibility for a growing team on one 2,000-part assembly
- Release locking, so production builds exactly what was approved

See it on your own assembly

Book a free 20-minute demo with Ken Maren, Sibe's Chief Solutions Architect and a SolidWorks user of 30+ years. Bring a real assembly, and he will run check-in, versioning and release control on your own files.

Book a free 20-minute demo

sibe.io · [Bring your own assembly, see it live](#)



Or try Sibe free for 14 days

sibe.io · [No credit card, set up in under 20 minutes](#)



SOLIDWORKS is a registered trademark of Dassault Systèmes SolidWorks Corporation. Sibe is an independent product and is not affiliated with or endorsed by Dassault Systèmes. Sibe is a collaboration-first CAD Document Management platform. Company details as published in the Cremmjoy case study at sibe.io.