Conceptualizing &

Proposed Experience

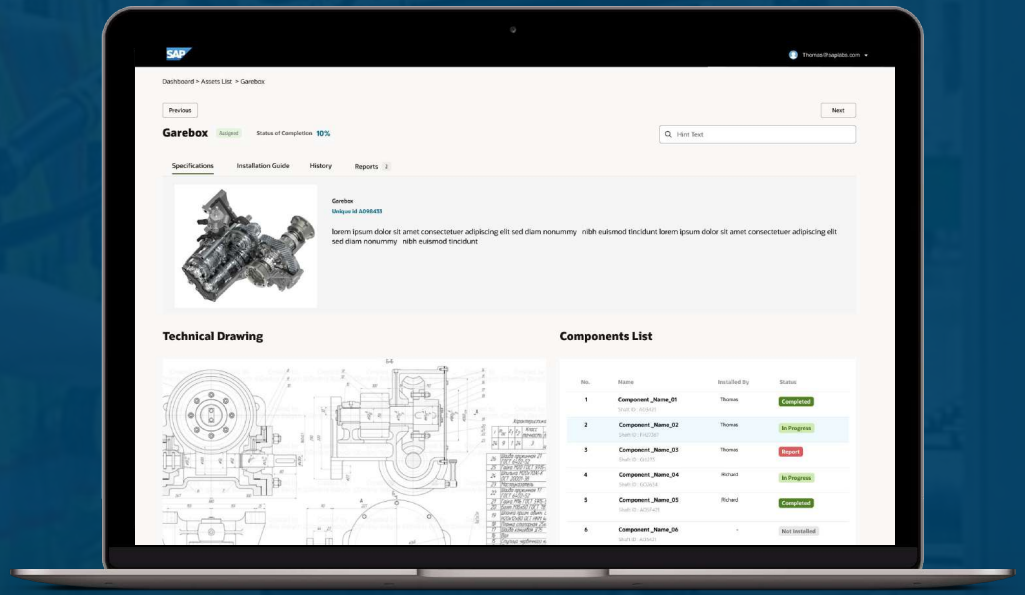


Image of inspiration

User goal statement

Thomas
Floor Operator
Gearbox assembly plant

A floor operator needs to understand the assembly sequence

A floor operator needs to report the status of the assembled component (like unique id of shaft) against each component in the list that requires this detail.

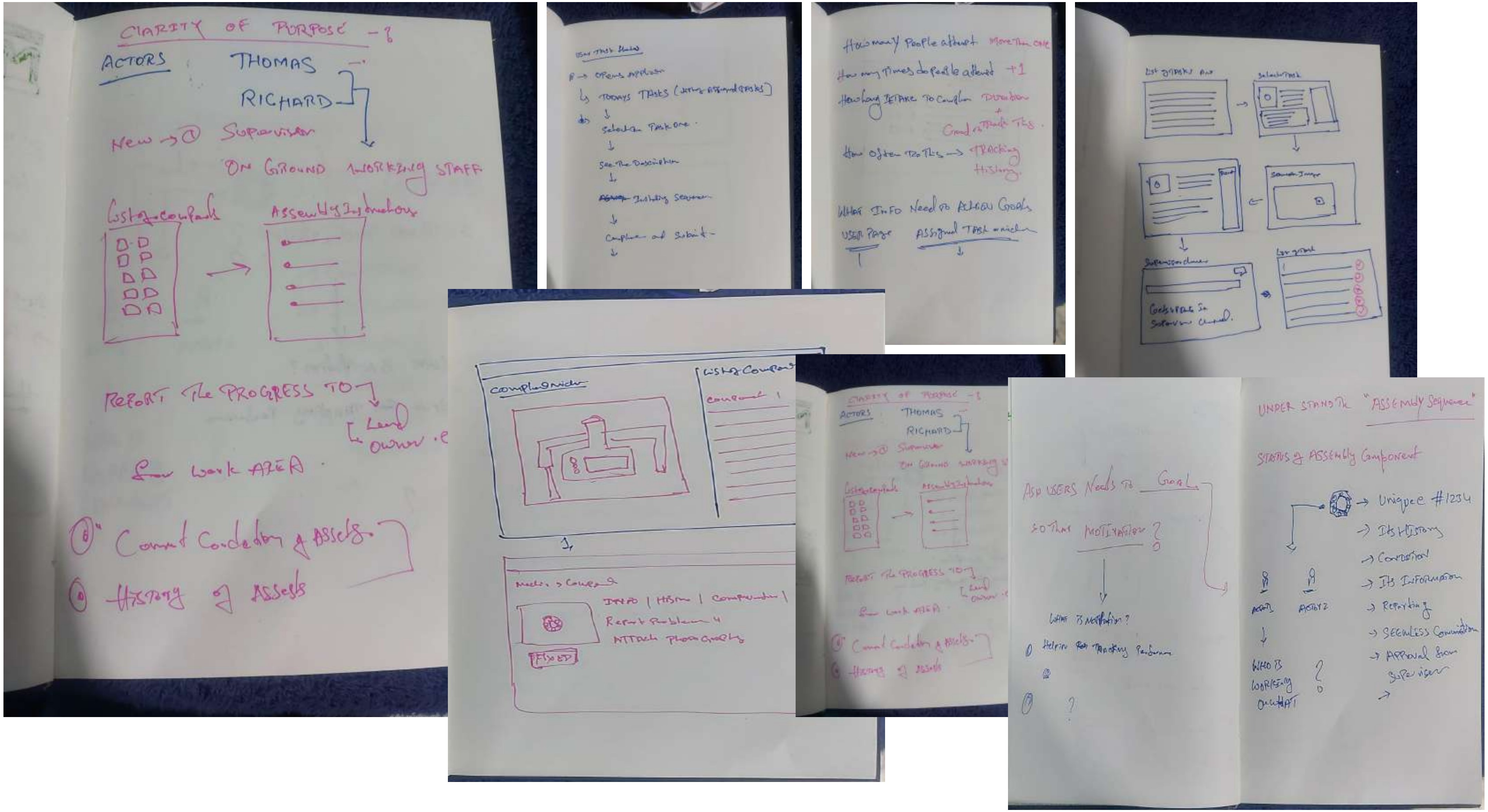
A floor operator sometimes during assembly of the gear box, realizes that one of the components from the required component list is of the wrong size.

A. The tool should allow him to change the wrong component with the right one

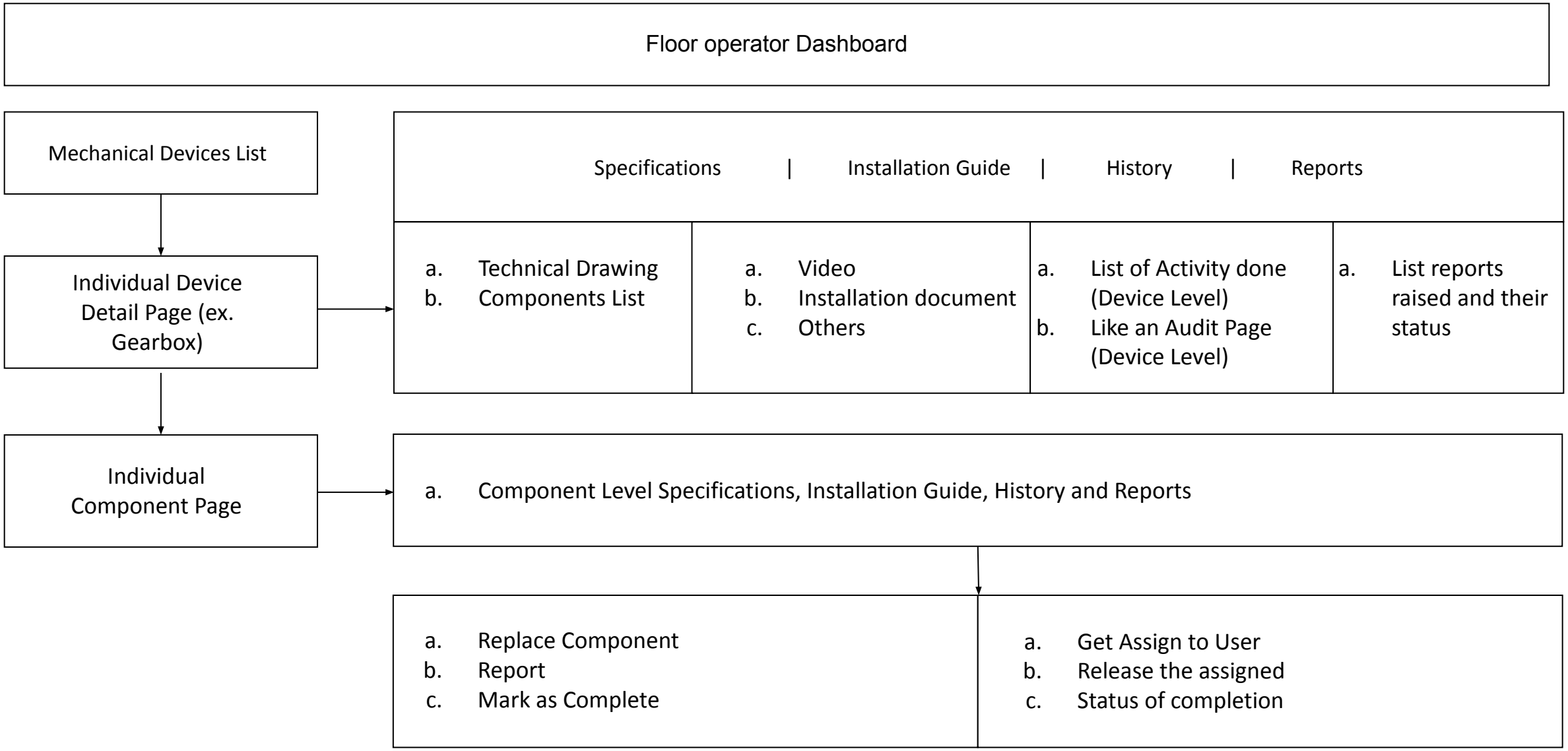
B. Report this change.

A floor operator needs the system should inform each of them about who is working on which part of the gear box

Ideation


CLARITY OF PURPOSE
ACTORS
THOMAS
RICHARD
Supervisor
On Ground Working Staff
Assembly Instructions
Report The Progress To
Lead
Current Condition of Assets
History of Assets
How many People attend
How often To Do This
Tracking History
UNDERSTAND The "ASSEMBLY Sequence"
STATUS of ASSEMBLY Component
Unique #1234
Its History
Condition
Its Information
Reporting
Seamless Communication
Approval from Supervisor
What Is Motivation?

SAP's Workshop Operations



Storyboard

Thomas is on-site and has access to all required machine installation information.

He can view the list of Assigned Tasks under his name.

Mark their status as InProgress so that their concurrent co-workers are notified.

Analyzing the device's specs

Sketches not added due to time constraint.

Thomas is apprehensive about installing the components.
He checked over the Installations Manual.

Thomas is still sceptical; he watched the linked video of component installation, double-checked, and began the procedure.

During installation, he reliased that the attached component does not match the requirements in the manual.

He swapped it out for a alternate component.

Storyboard

In the tool, Thomas reported the same thing.

He brought it to the attention of the Immediate Supervisor.

Thomas was able to correctly install the component with the newly replaced shaft.

And closed the job after marking it as done in the tool.

On tool, both his team and his supervisor are notified.

sketches not added due to time constraint.

Thomas@saplabs.com

Dashboard > Mechanical Devices List

Mechanical Devices List

Hint Text

Assigned
Garebox
Unique id A098433
10%
Status of Completion
Total Components
10

Assigned
Mechanical Asset_01
Unique id A098433
10%
Status of Completion
Total Components
80

Assigned
Mechanical Asset_02
Unique id A098433
07%
Status of Completion
Total Components
100

Assigned
Mechanical Asset_03
Unique id A098433
20%
Status of Completion
Total Components
109

Assigned
Mechanical Asset_04
Unique id A098433
70%
Status of Completion
Total Components
109

Unassigned
Mechanical Asset_05
Unique id A098433
0%
Status of Completion
Total Components
112

Unassigned
Mechanical Asset_06
Unique id A098433
0%
Status of Completion
Total Components
109

Unassigned
Mechanical Asset_07
Unique id A098433
0%
Status of Completion
Total Components
10

Unassigned
Mechanical Asset_08
Unique id A098433
0%
Status of Completion
Total Components
20

Unassigned
Mechanical Asset_09
Unique id A098433
0%
Status of Completion
Total Components
109

Unassigned
Mechanical Asset_10
Unique id A098433
0%
Status of Completion
Total Components
19

Unassigned
Mechanical Asset_11
Unique id A098433
0%
Status of Completion
Total Components
67

Thomas@saplabs.com

Dashboard > Assets List > Garebox

Previous

Next

Garebox

Assigned

Status of Completion 10%

Hint Text

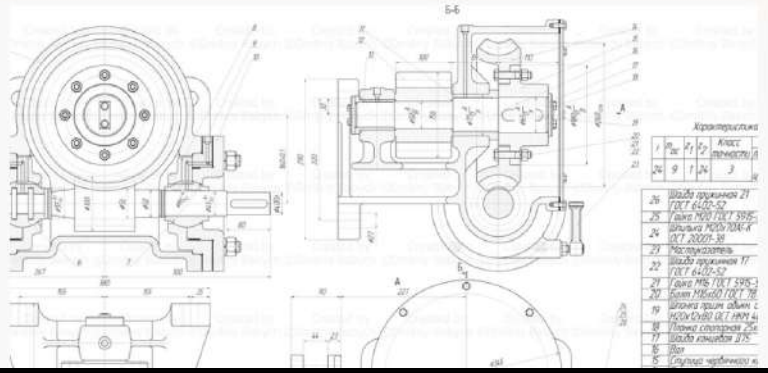
Specifications | Installation Guide | History | Reports 2

Garebox

Unique id A098433

lorem ipsum dolor sit amet consectetuer adipiscing elit sed diam nonummy nibh euismod tincidunt lorem ipsum dolor sit amet consectetuer adipiscing elit sed diam nonummy nibh euismod tincidunt

Technical Drawing



Components List

No.	Name	Installed By	Status
1	Component _Name_01	Thomas	Completed
2	Component _Name_02	Thomas	In Progress
3	Component _Name_03	Thomas	Report
4	Component _Name_04	Richard	In Progress
5	Component _Name_05	Richard	Completed
6	Component _Name_06	-	Not Installed

Mechanical Devices List

Hint Text 4

Assigned 2
Garebox
Unique id A098433
10%
Status of Completion
Total Components
10

Assigned
Mechanical Asset_01
Unique id A098433
10% 3
Status of Completion
Total Components
80

Assigned
Mechanical Asset_02
Unique id A098433
07%
Status of Completion
Total Components
100

Assigned
Mechanical Asset_03
Unique id A098433
20%
Status of Completion
Total Components
109

Assigned
Mechanical Asset_04
Unique id A098433
70%
Status of Completion
Total Components
109

Unassigned
Mechanical Asset_05
Unique id A098433
0%
Status of Completion
Total Components
112

Unassigned
Mechanical Asset_06
Unique id A098433
0%
Status of Completion
Total Components
109

Unassigned
Mechanical Asset_07
Unique id A098433
0%
Status of Completion
Total Components
10

Unassigned
Mechanical Asset_08
Unique id A098433
0%
Status of Completion
Total Components
20

Unassigned
Mechanical Asset_09
Unique id A098433
0%
Status of Completion
Total Components
109

1 Breadcrumb

Breadcrumbs are a secondary navigation aid that helps users easily understand the relation between their location on a page and higher level pages.

2 Cards Pattren

Each machine is represented by a single "card" that graphically bundles relevant information.

3 Status of completion

Understanding the process is aided by the completion status.

4 Search

It makes it easier to find the machine or component.

Previous

Next

Garebox

Assigned

Status of Completion 10%

Hint Text

Specifications | Installation Guide | History | Reports 2

Garebox

Unique id A098433

lorem ipsum dolor sit amet consectetuer adipiscing elit sed diam nonummy nibh euismod tincidunt lorem ipsum dolor sit amet consectetuer adipiscing elit sed diam nonummy nibh euismod tincidunt

Technical Drawing

Components List

1 Tab Structure

Maintain critical categories in a tab structure, such as Specifications, Installation Guide, History, and Reports.

2 Technical Drawing

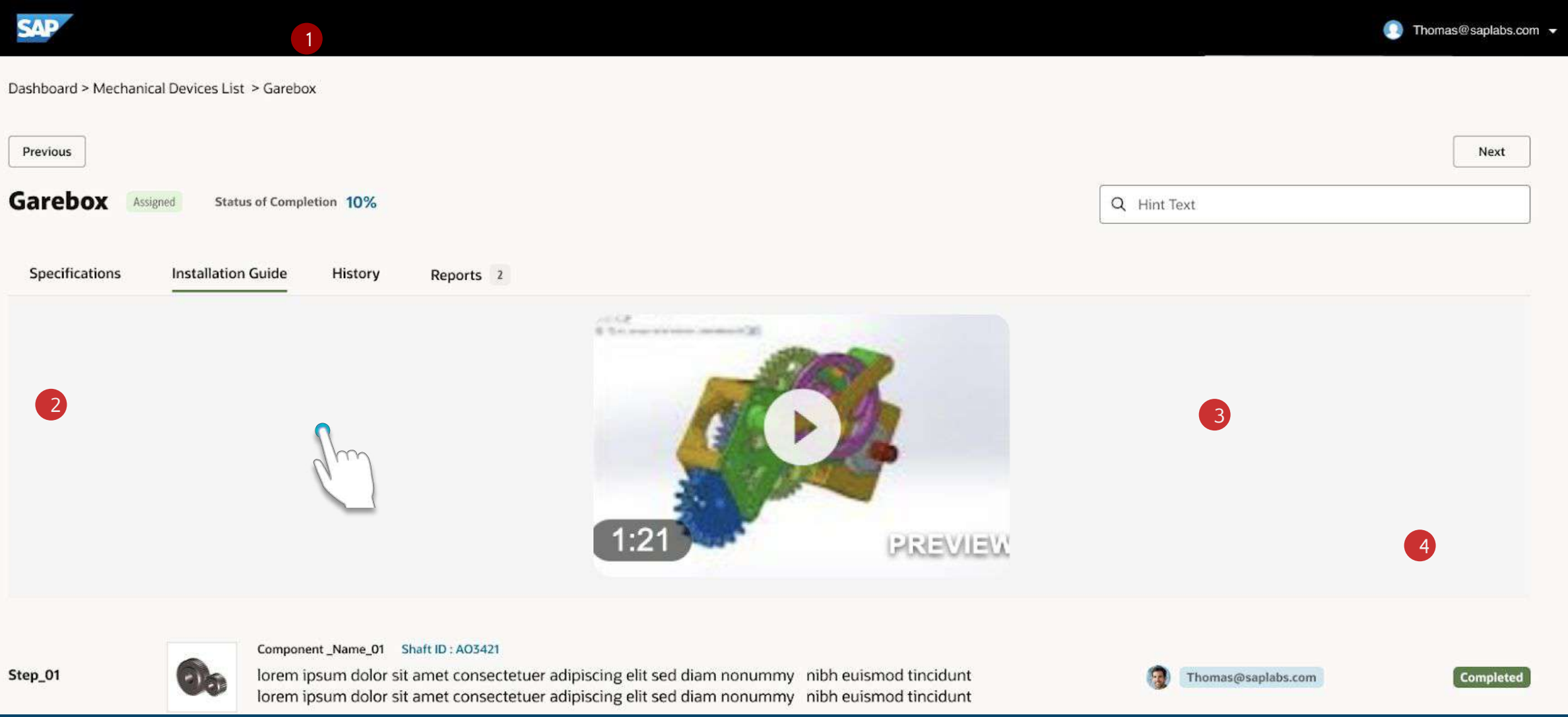
Adding key categories Specifications Tab

3 Components List

This lets the user to view at a glance all of the listed components, their statistics, and the person who is working on it.

4 Status

It aids in comprehending the present stage.



1 Installation Guide

This page assists in explaining the entire installation process of the machine.

2 Step by step Instructions

This page can help you describe the entire machine installation process.

It includes a paper as well as a video installation tutorial.

3 User Information

The user information column helps in understanding who is assigned to what.

4 Status

It aids in comprehending the present stage.

Previous

Next

Component _Name_01

Hint Text

1 Get Assign

Release

2 Replace Component

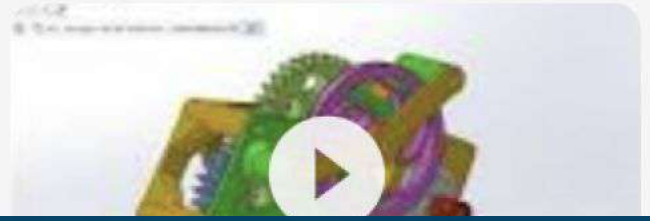
3 Report

4 Mark as Complete

Shaft ID : AO3421

Shafts typically consist of a series of stepped diameters accommodating bearing mounts and providing shoulders for locating devices such as gears, sprockets, and pulleys to butt up against and keys often used to prevent rotation, relative to the shaft, of these “added” components. Shafts typically consist of a series of stepped diameters accommodating bearing mounts and providing shoulders for locating devices such as gears, sprockets, and pulleys to butt up against and keys often used to prevent rotation, relative to the shaft, of these “added” components. Shafts typically consist of a series of stepped diameters accommodating bearing mounts and providing shoulders for locating devices such as gears, sprockets, and pulleys to butt up against and keys often used to prevent rotation, relative to the shaft, of these “added” components. Shafts typically consist of a series of stepped diameters accommodating bearing mounts and providing shoulders for locating devices such as gears, sprockets, and pulleys to butt up against and keys often used to prevent rotation, relative to the shaft, of these “added” components.

Specifications | Installation guide | History | Reports 2



1 Assign User

It helps in locking the component on the floor operator's name, as well as notifying the entire team.

2 Component Replacement

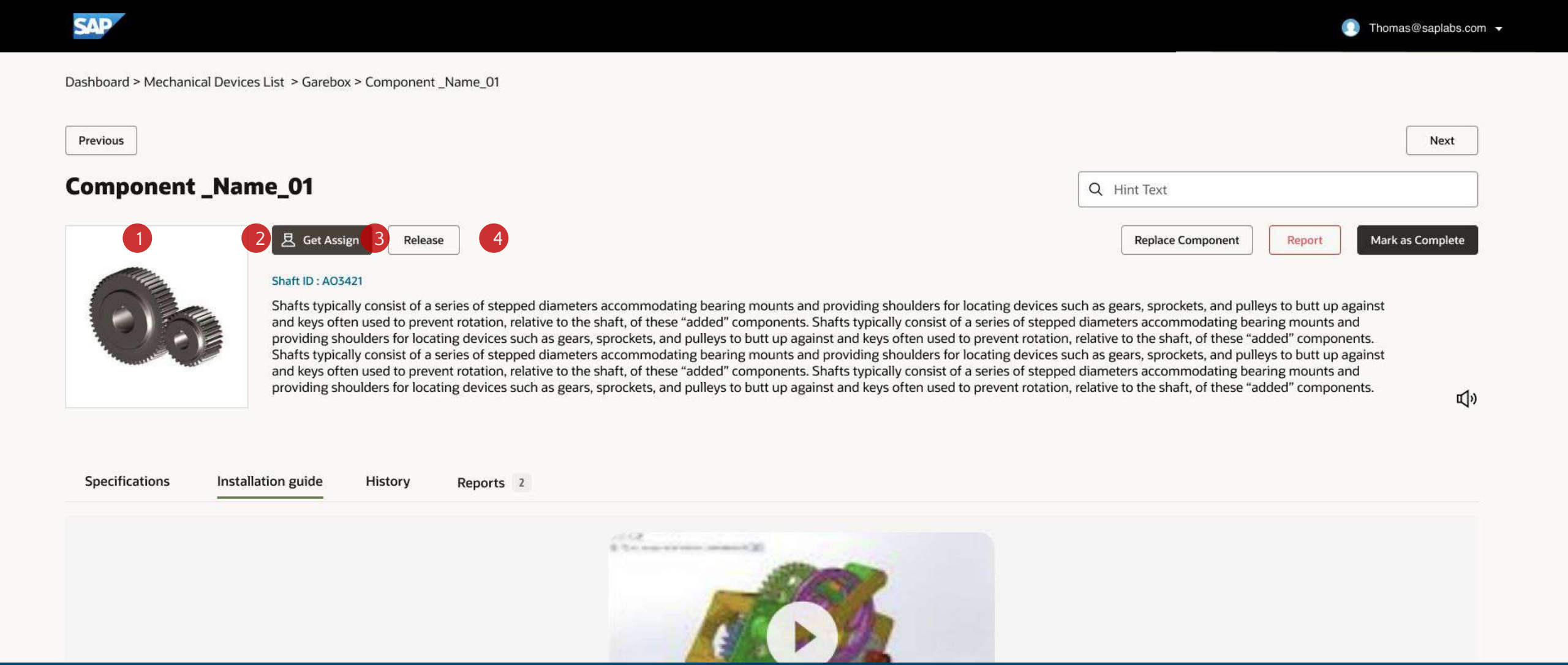
"Replace Component" CTA helps in replacement of mismatched components.

3 Report Issue

"Report issue" CTA assists in reporting any problems with shafts and components to supervisors.

4 Mark as Complete

"Mark as Complete" CTA helps in moving the component to the finished stage.



1 Specifications

This section assists in explaining the entire specifications of component

2 Installation Guide

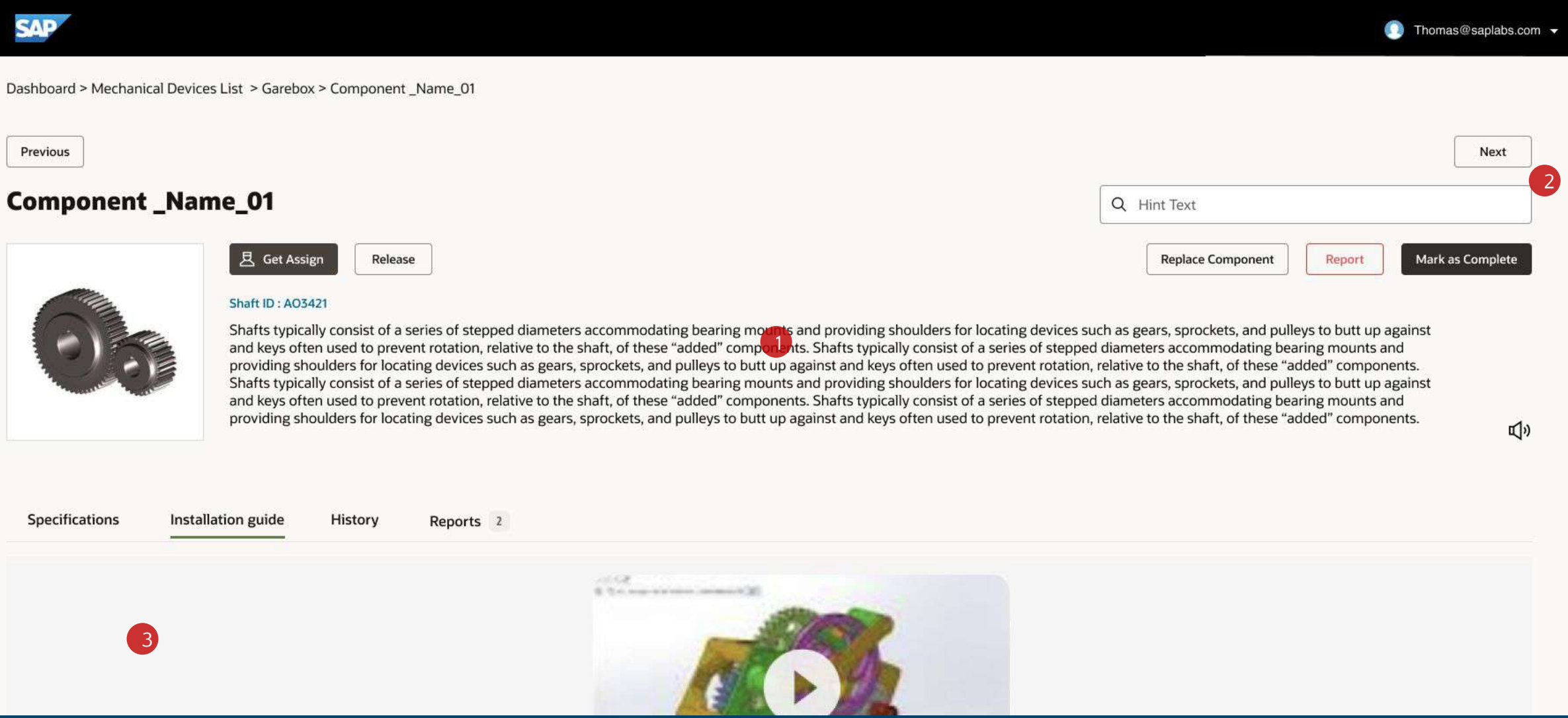
This section assists in explaining the entire installation process of the component.

3 History

The History section will show all previous/past actions taken on that component.

4 Reports

The Reports area will reveal all the concerns or issues raised on that component, as well as their current statuses.



1 Video Demonstration

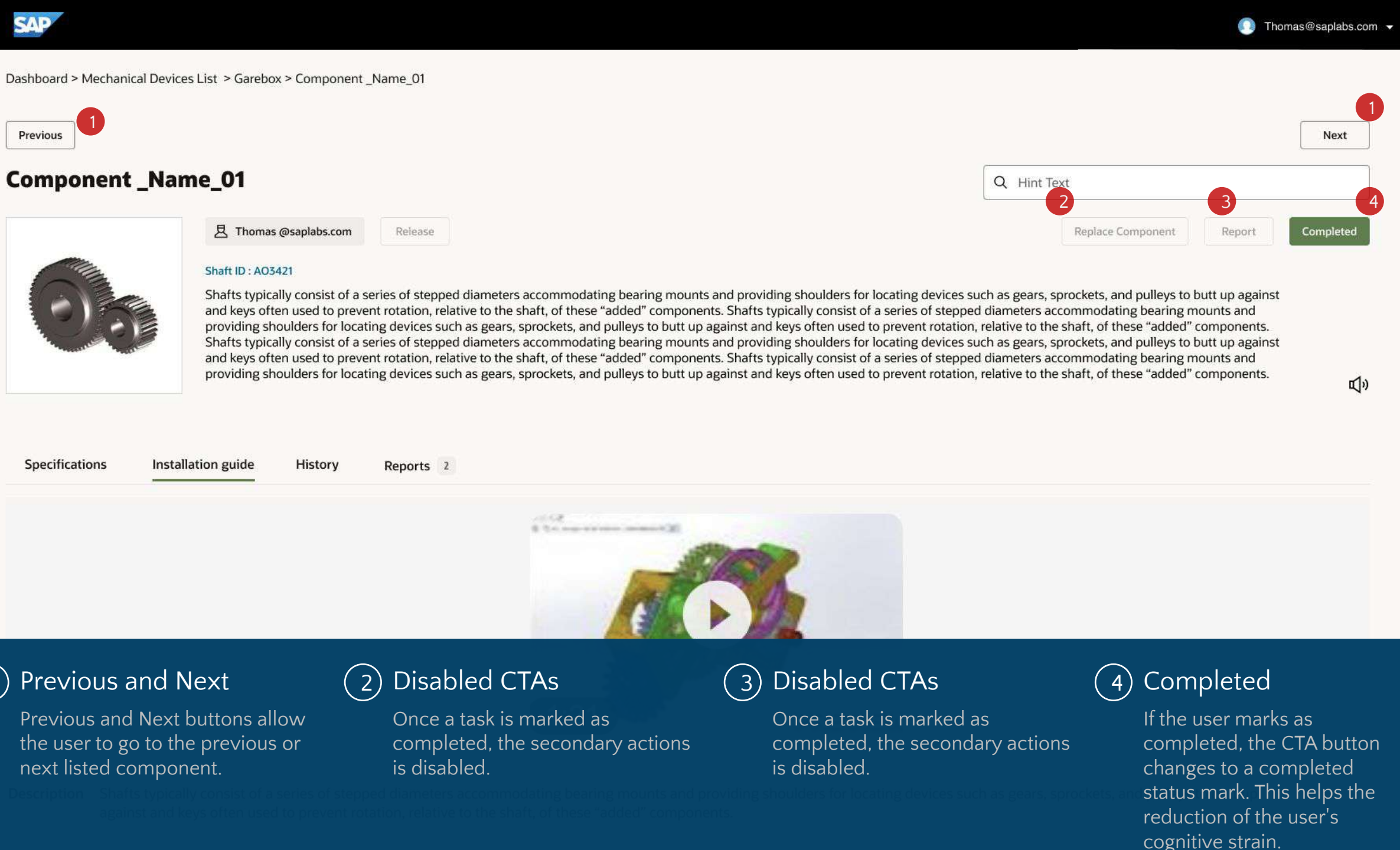
The Video Demonstration section might assist in explaining the step-by-step procedure of installing a component to complete a certain activity.

2 Voice Assistance

Voice Assistance assists users by reading out the procedure, which may aid in lessening the cognitive burden of a few categories of users.

3 Installation Guide

This section assists in explaining the entire installation process of the component.



1 Previous and Next

Previous and Next buttons allow the user to go to the previous or next listed component.

2 Disabled CTAs

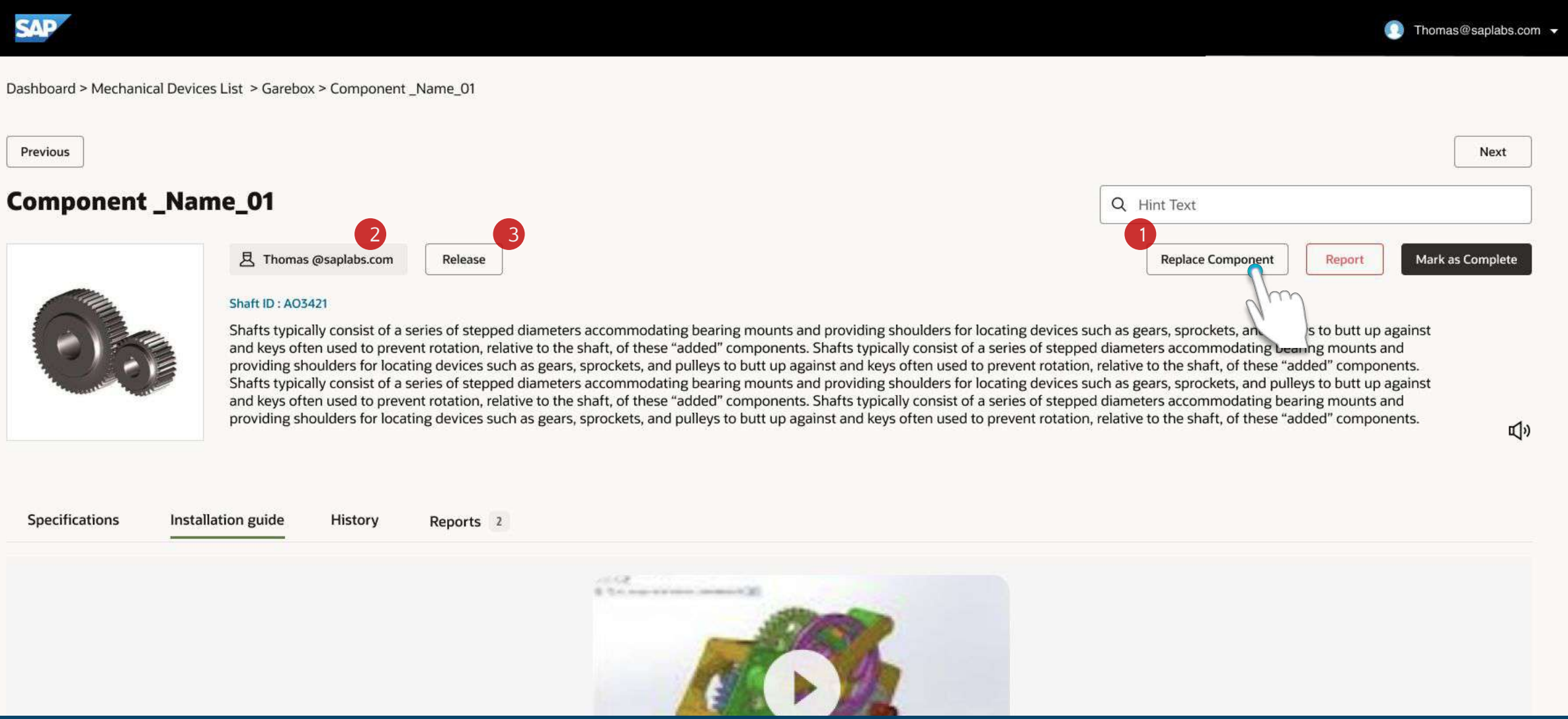
Once a task is marked as completed, the secondary actions is disabled.

3 Disabled CTAs

Once a task is marked as completed, the secondary actions is disabled.

4 Completed

If the user marks as completed, the CTA button changes to a completed status mark. This helps the reduction of the user's cognitive strain.



1 Replace Component

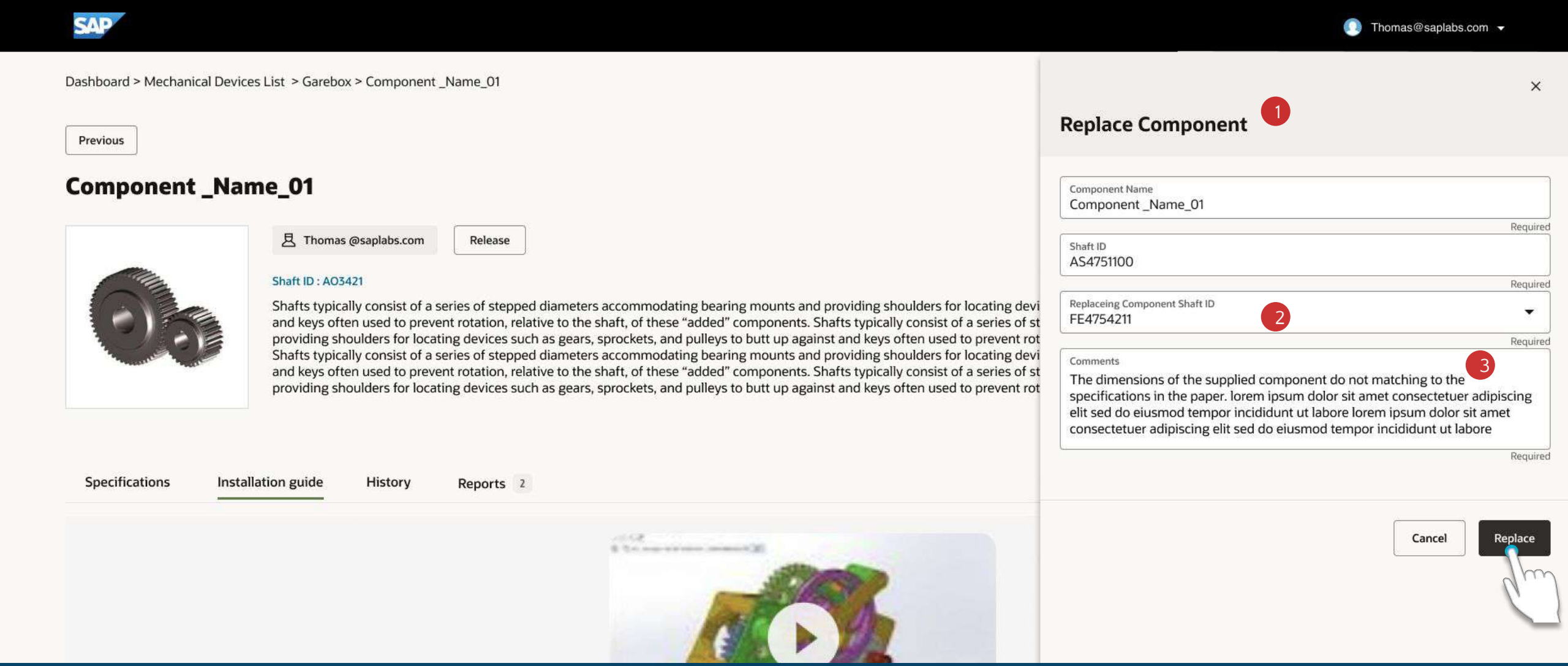
"Replace Component" CTA helps in replacement of mismatched components.

2 Assigned User

This section clarifies who is working on his components.

3 Release

The assigned user has the ability to alter or withdraw from the assigned user.



1 Right Slider Panel

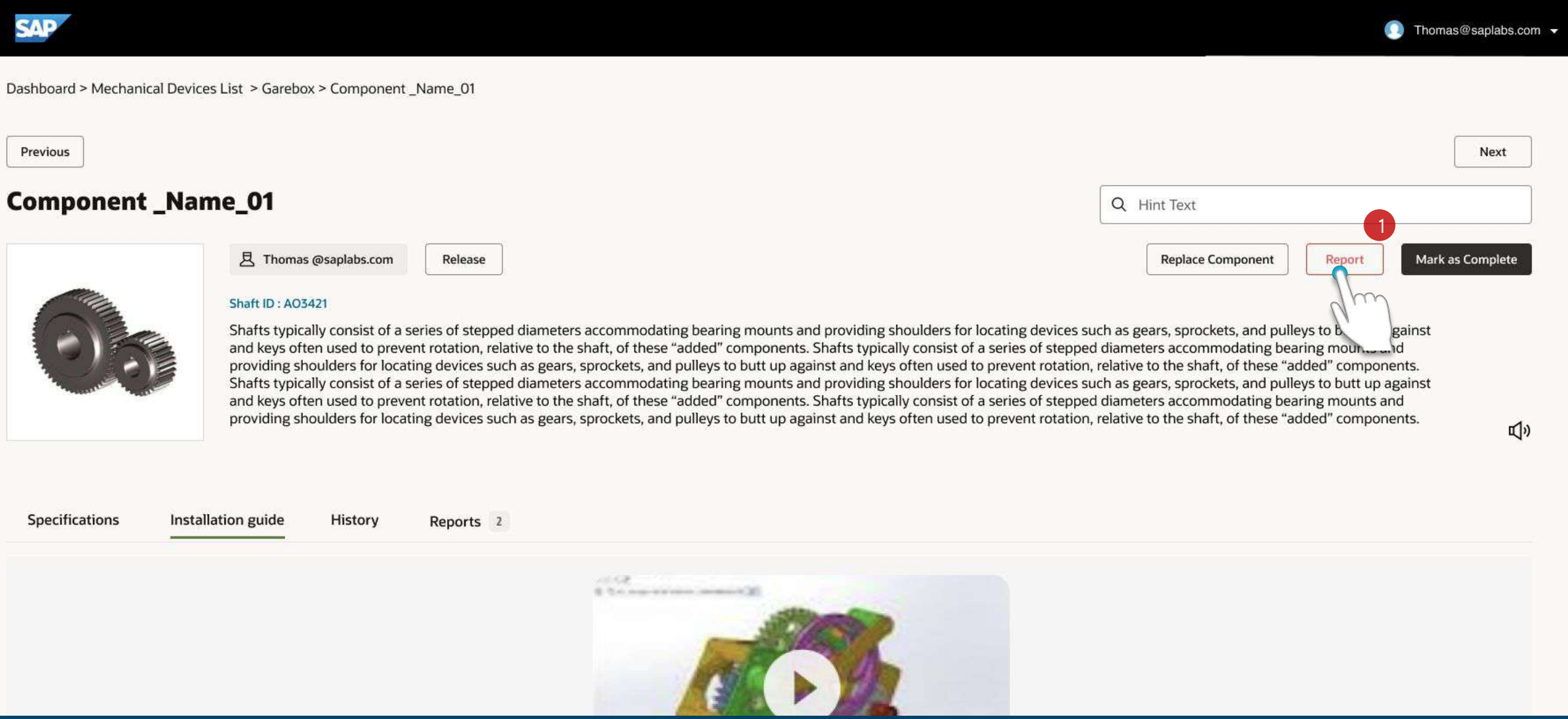
Right Slider Panel, which allows user to replace the component and report the change.

2 Shaft Information

Shaft Data: the ability to choose the correct component Shaft ID and update it in the system.

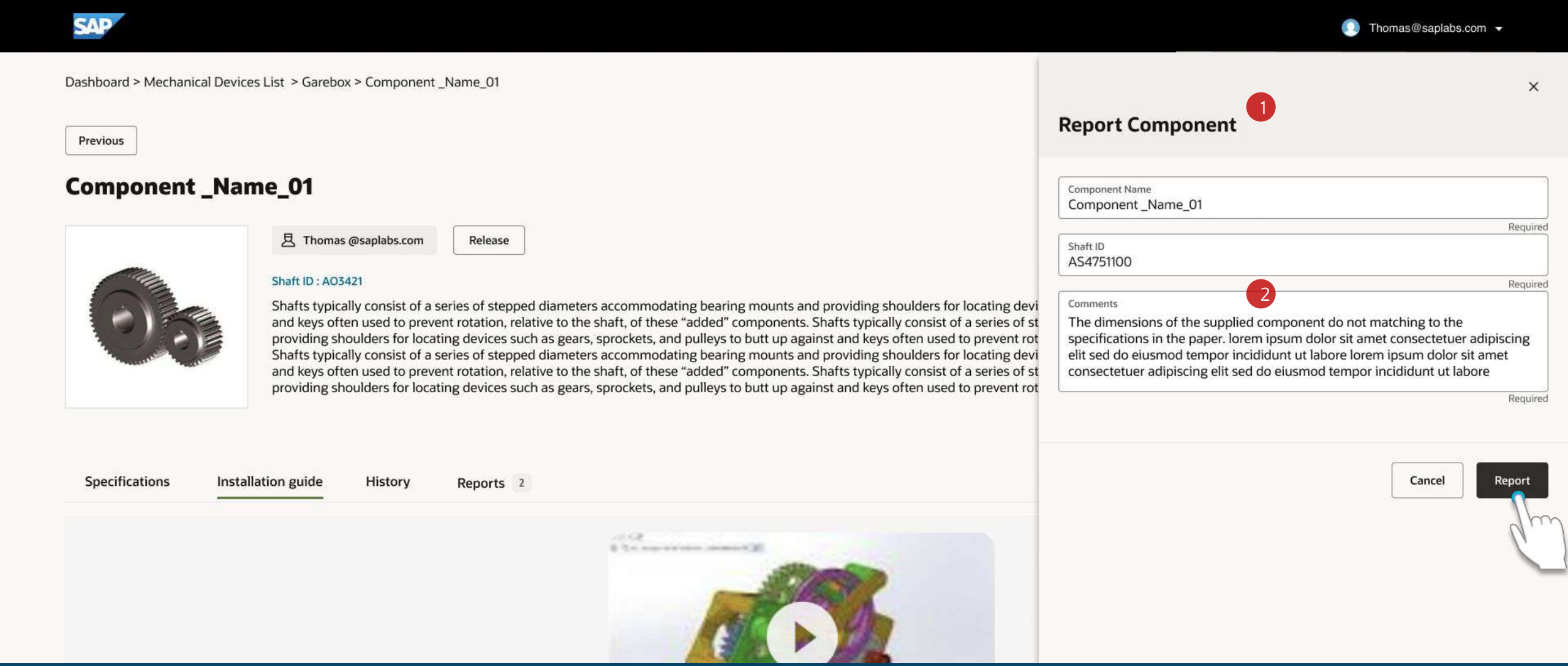
3 Comments / Reason

Comments / Explanation: The ability to justify a reason why a new component is required.



1 Report

"Report issue" CTA enables users in reporting any problems with shafts and components. By clicking on it, a rightslider appears and requests information about the problem.



1 Report Panel

Right slider appears and requests information about the problem.

2 Comments / Reason

The ability to choose the component causing the problem while also explaining the issue

Thomas@saplabs.com

Dashboard > Mechanical Devices List > Garebox > Component _Name_01

Previous

Next

Component _Name_01

Hint Text

Thomas @saplabs.com

Release 2

Replace Component 2

Reported 1

Mark as Complete 2

Shaft ID : AO3421

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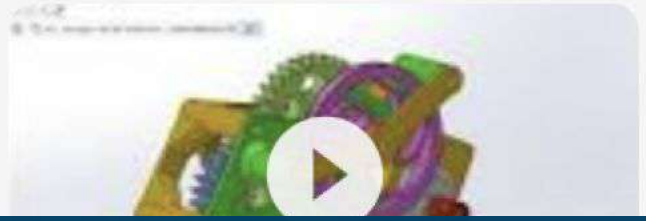
Specifications | Installation guide | History | Reports 2



1 Status Change

Ones the component is reported and status the CTA button changes to a reported status mark. This helps the reduction of the user's cognitive strain.

2 CTAs Disabling

Once a component is designated as reported, all secondary actions are disabled until the component is returned to its usual condition.

Thankyou

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