



대용량 Data와 부품 형상검색을 통한 효과적인 엔터프라이즈포털 구축 방안

- Active Workspace Client

* Siemens

* 노은희 이사





Teamcenter – Simplify PLM

TEAMCENTER



Teamcenter – Simplify PLM





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2. 솔루션 기능 소개

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1. Active Workspace Client 개요

1.1 AWC Overview – HD User Experience



Visualization in PLM



TC inside NX



HD Validation



Visual Reporting



Visual Navigation

Active
Workspace
Release

Foundational Functionality	Visualization	Role-based User Interface	Teamcenter Inside NX	HD3D Introduction	HD3D Advancements	Active Workspace
2005	2006	2007	2008	2009	2010	2011 ~



1. Active Workspace Client 개요

1.1 AWC Overview – HD User Experience



Visualization in PLM



TC inside NX



HD Validation



Visual Reporting



Visual Navigation

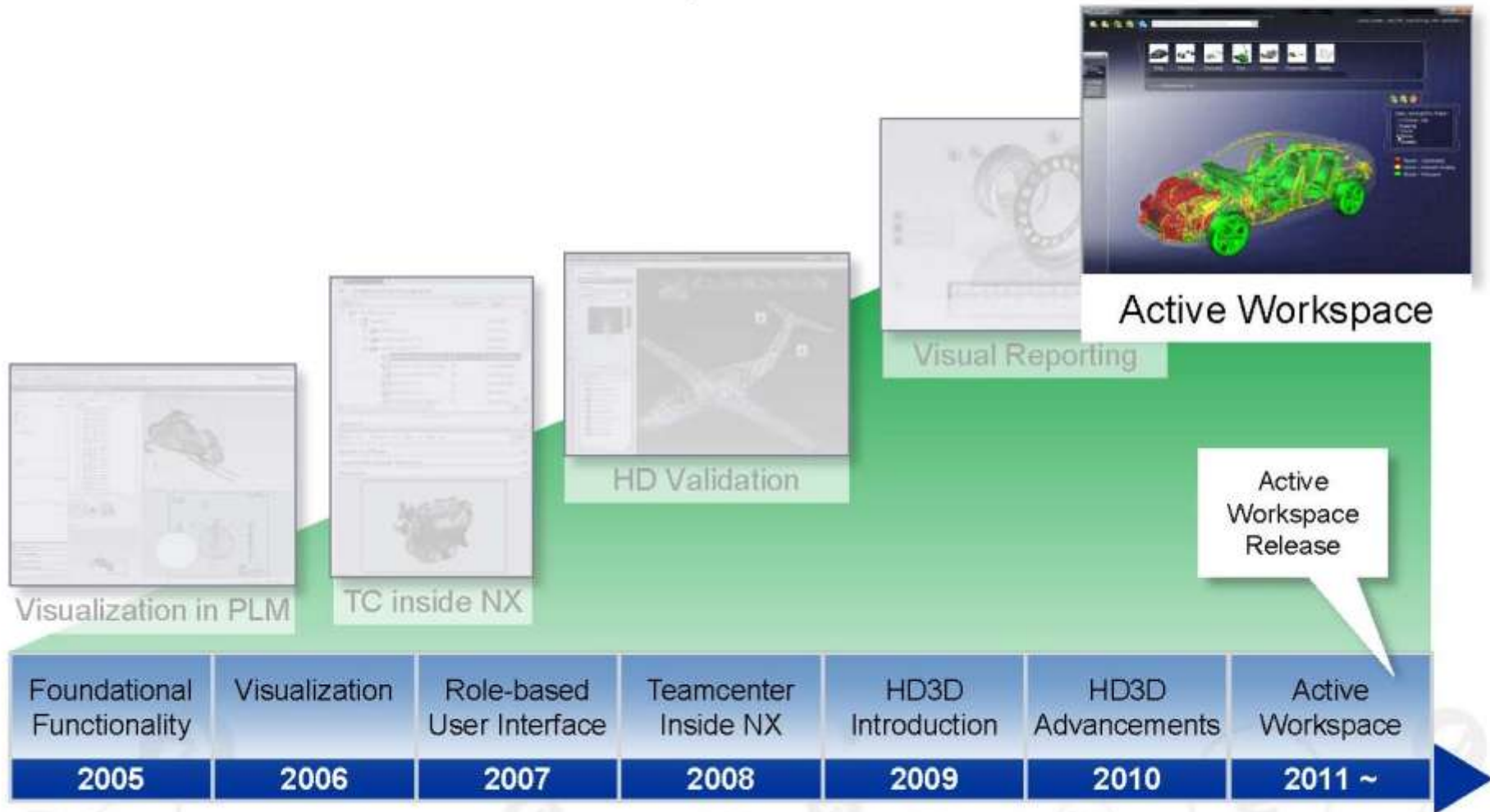
Active
Workspace
Release

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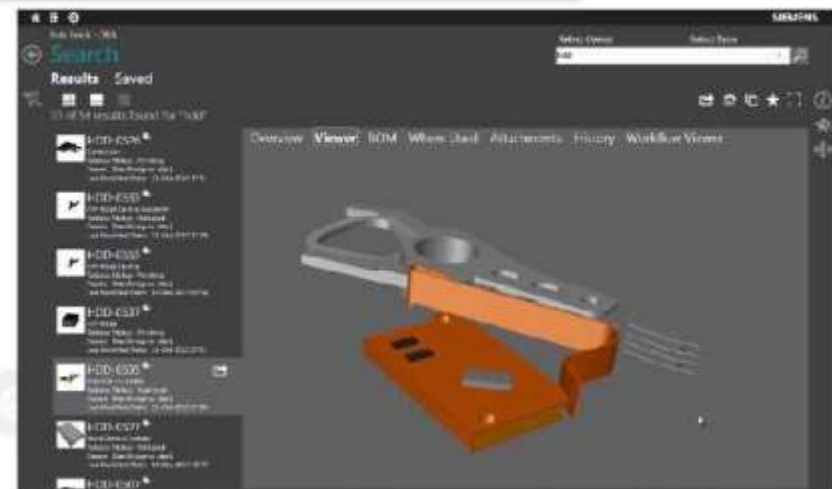
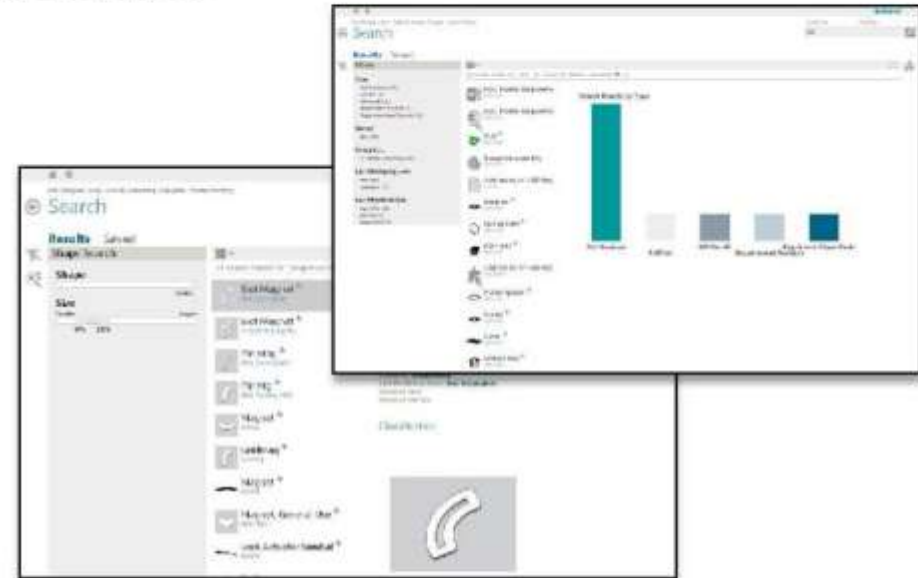
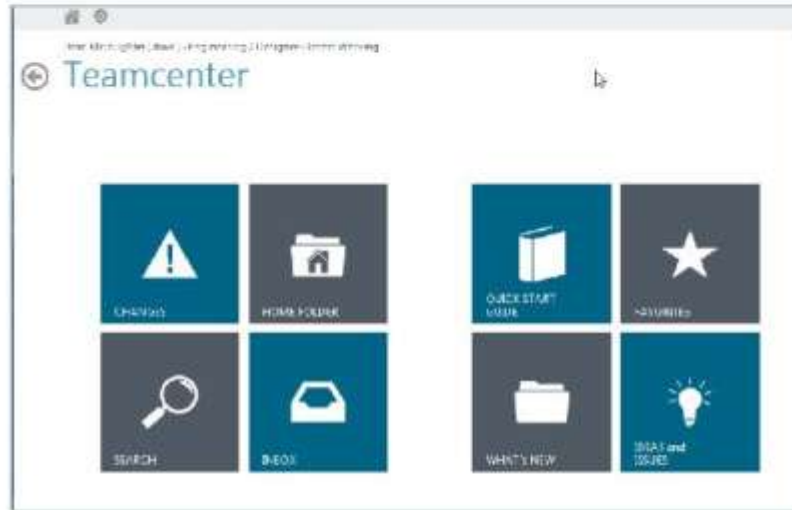
1. Active Workspace Client 개요

1.1 AWC Overview – HD User Experience



1. Active Workspace Client 개요

1.1 AWC Overview – Solution User Interface



1. Active Workspace Client 개요

1.2 AWC Vision

Make PLM accessible to all users throughout the product lifecycle by providing a streamlined and intuitive PLM user experience anytime, anywhere, on any device





1. Active Workspace Client 개요

1.3 Client Positioning – Extending End Users



Non-traditional PLM users (ex: sales, marketing, executives, etc.)

Don't know or care what PLM is

Need access to an authoritative data source

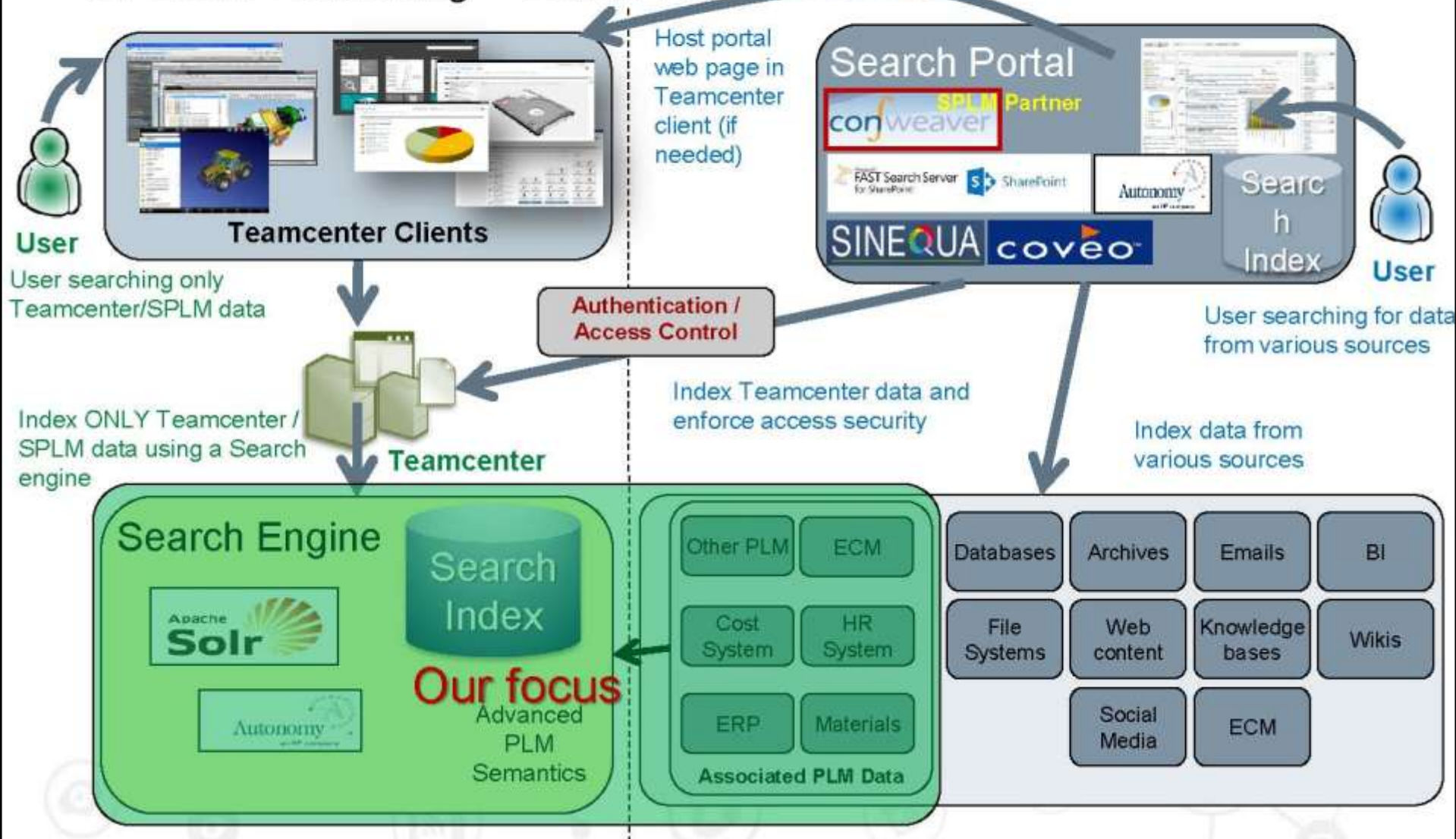
Demand web-intuitive user experience

Expect seamless access across multiple devices (ex: desktop, tablet, smartphone, etc.)



1. Active Workspace Client 개요

1.3 Client Positioning – Search Focus





1. Active Workspace Client 개요

1.4 Early Customer Involvement(ECI) Program

Gives customers an early look at the Active Workspace

- Obtain customer “buy in” – are we on the right track?
- Builds a cooperative relationship

Helps ensure Active Workspace client is “fit for use”

- SPLM obtains customer feedback prior to production release
- Validates customer requirements
- Uncovers new customer requirements/use cases
- Tests performance
- Improves quality

Provides guidance for future releases

- Helps prioritize functionalities





1. Active Workspace Client 개요

1.5 Solution Overview

Find what you need faster



- Intelligent charts
- Shopping cart-like filters on properties, shape & classification
- Results ranking
- Aggregate relevant external data

Make smarter decisions



- See all relevant information in context
- Visually understand relationships
- Easily participate in PLM – dashboards, signoffs, workflow ...

PLM anytime anywhere



- Web-intuitive, configurable UI
- Identical experience on any device with no client install
- Embeddable components



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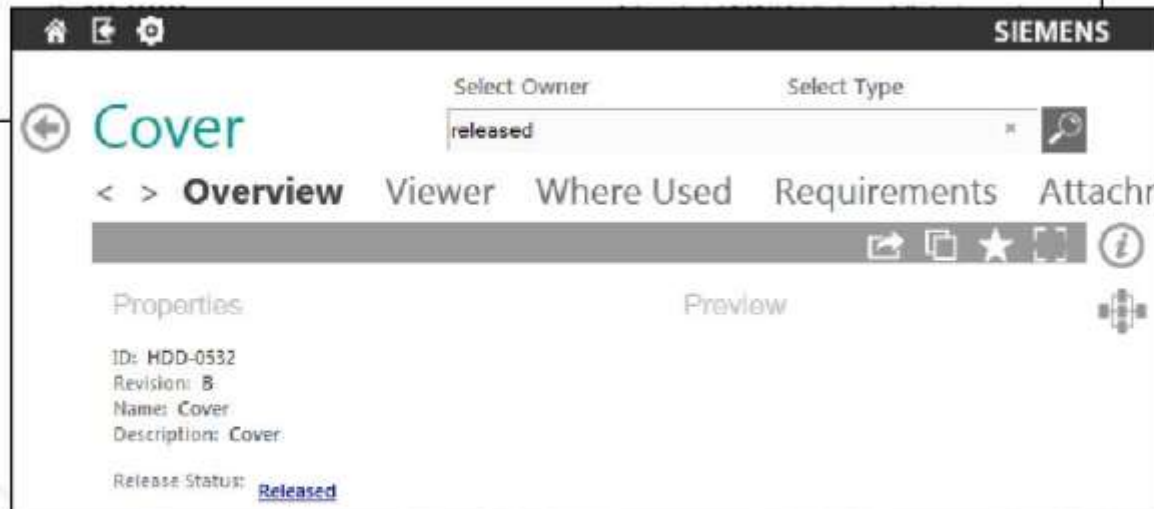
2. 솔루션 기능 소개

2.1 Users Interface – Smart Actions

Don't offer actions that are not valid



I can Check Out and Edit this part



This part is Released, so there are no buttons to Check Out or Edit



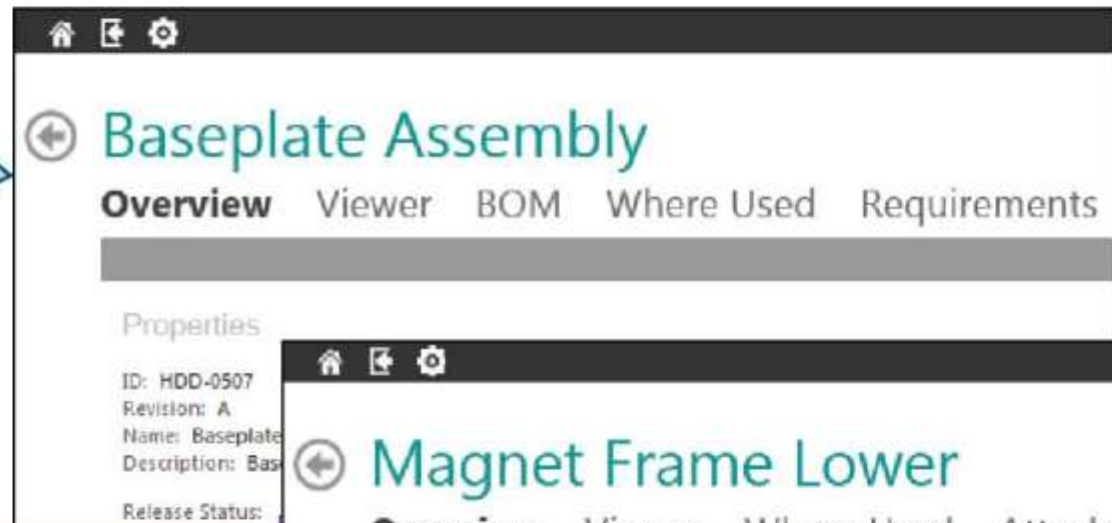
2. 솔루션 기능 소개

2.1 Users Interface – Smart Actions

Don't waste my time – if there isn't anything there, don't show it

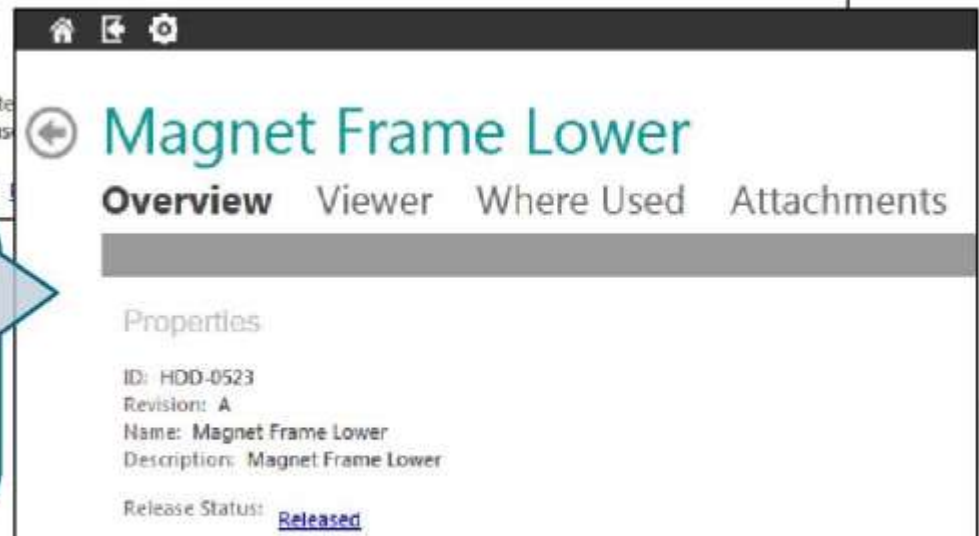
This part has:

*3D (Viewer),
Children (BOM),
Parents (Where
Used), and
Requirements*



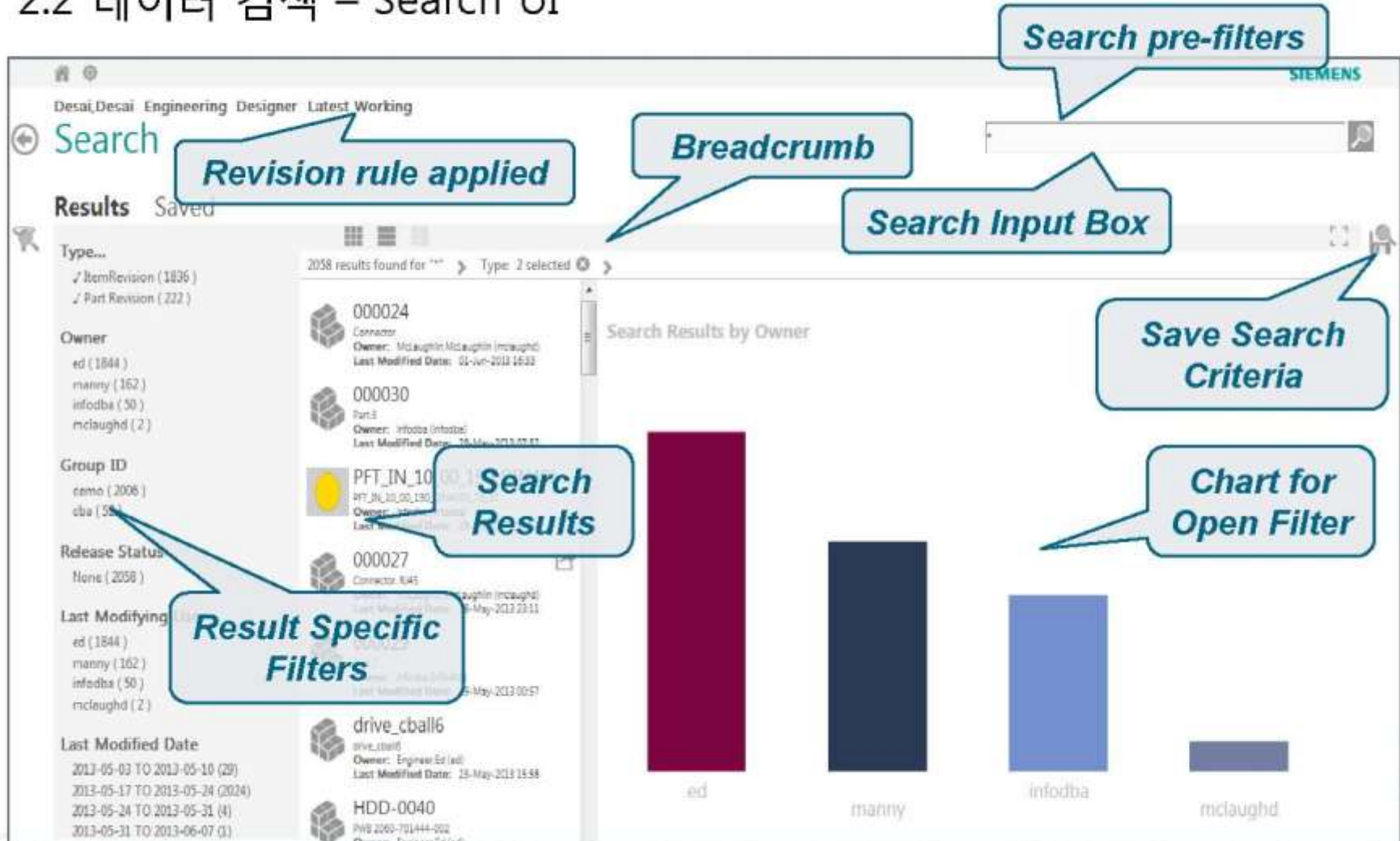
This part has:

*3D and Parents,
But NO Children or
Requirements*



2. 솔루션 기능 소개

2.2 데이터 검색 - Search UI



The screenshot displays the Siemens Search interface. On the left, a sidebar contains filters for 'Type...', 'Owner', 'Group ID', 'Release Status', 'Last Modifying', and 'Last Modified Date'. The main area shows search results for '2058 results found for "" Type: 2 selected'. A bar chart titled 'Search Results by Owner' is on the right, showing counts for 'ed', 'manny', 'infodba', and 'mclaughd'. Annotations point to various UI elements:

- Search pre-filters**: Points to the search input box at the top right.
- Breadcrumb**: Points to the 'Type: 2 selected' breadcrumb.
- Search Input Box**: Points to the search input field.
- Save Search Criteria**: Points to the save icon in the top right.
- Chart for Open Filter**: Points to the bar chart.
- Search Results**: Points to the list of search results.
- Result Specific Filters**: Points to the 'Last Modified Date' filter section.
- Revision rule applied**: Points to the 'Revision rule applied' text in the top left.

Search Results by Owner Data:

Owner	Count
ed	2058
manny	~100
infodba	~100
mclaughd	~10



2. 솔루션 기능 소개

2.2 데이터 검색 – Search UI

Full Text Search

- Ability to search on document contents
- Search based on combination of meta-data & document content
- MS Office, PDF, Text files

Search for “littleT”

32 results found for “littleT” >

LittleT MS PowerPointX Owner: TurnerTonia (tturner4) Last Modified Date: 24-May-2013 15:33	LittleT Text Owner: TurnerTonia (tturner4) Last Modified Date: 24-May-2013 15:39	LittleT MS PowerPointX Owner: TurnerTonia (tturner4) Last Modified Date: 24-May-2013 15:33
PVTestDoc6 PDF Owner: TurnerTonia (tturner4) Last Modified Date: 24-May-2013 12:53	PVTestDoc6 PDF Owner: TurnerTonia (tturner4) Last Modified Date: 24-May-2013 12:53	PVTestDoc9 MS PowerPointX Owner: TurnerTonia (tturner4) Last Modified Date: 24-May-2013 15:35
PVTestDoc9 MS PowerPointX Owner: TurnerTonia (tturner4) Last Modified Date: 24-May-2013 15:35	PVTestDoc12 Text Owner: TurnerTonia (tturner4) Last Modified Date: 24-May-2013 15:40	PVTestDoc12 Text Owner: TurnerTonia (tturner4) Last Modified Date: 24-May-2013 15:40
PVTestDoc8 MS ExcelX Owner: TurnerTonia (tturner4) Last Modified Date: 24-May-2013 12:46	PVTestDoc8 MS ExcelX Owner: TurnerTonia (tturner4) Last Modified Date: 24-May-2013 12:46	PVTestDoc8 MS ExcelX Owner: TurnerTonia (tturner4) Last Modified Date: 24-May-2013 15:38
PVTestDoc8 MS ExcelX Owner: TurnerTonia (tturner4) Last Modified Date: 24-May-2013 15:38	PVTestDoc4 MS WordX Owner: TurnerTonia (tturner4) Last Modified Date: 24-May-2013 15:32	PVTestDoc4 MS WordX Owner: TurnerTonia (tturner4) Last Modified Date: 24-May-2013 15:32
PVTestDoc3 MS WordX Owner: TurnerTonia (tturner4) Last Modified Date: 24-May-2013 15:31	PVTestDoc3 MS WordX Owner: TurnerTonia (tturner4) Last Modified Date: 24-May-2013 15:31	



2. 솔루션 기능 소개

2.3 형상 검색 – Geolus Integration

The screenshot displays the Siemens Shape Search interface. At the top, the 'Search' bar contains the text 'ShapeSearch Slot Magnet'. Below the search bar, the 'Results' section shows '14 results found for "ShapeSearch Slot Magnet"'. A list of results is displayed, including 'Slot Magnet', 'Pln Mag', 'Pln Mg', 'Magnet', 'GridMag', 'Magnet', 'Magnet, General Use', and 'Lock Actuator Gimbal'. A blue callout box labeled 'Shape Similarity & Size' points to the search bar. A green callout box labeled 'Immediate access to all data pertaining to similarly shaped parts!' points to the list of results. A red callout box labeled 'Seed Part' points to a 3D model of a 'Slot Magnet' part shown in a larger view on the right. The 'Properties' section on the right provides details for the selected part, including its name, ID, revision, type, and owner.

Shape Similarity & Size

Results Saved

Shape Search

Shape

Size

Similar

Smaller

Larger

98%

150%

14 results found for "ShapeSearch Slot Magnet" > Group ID: Engineering >

Slot Magnet
HDD_SlotMg2552

Slot Magnet
2Slot HDD Mag2752

Pln Mag
HDD_PlainMg3812

Pln Mg
HDD_PlainMg_3122

Magnet
HDD_Mg

GridMag
GridMag

Magnet
HDD_Mg

Magnet, General Use
HDD_Mg52

Lock Actuator Gimbal
HDD_Mg

Properties

Name: Slot Magnet

Description:

ID: HDD_SlotMg2552

Revision: c

Type: Part

Release: STATUS

Date released:

Effectivity:

Owner: Mac McLaughlin (mclaughd)

Group ID: Engineering

Last Modifying User: Mac McLaughlin

Checked-Out:

Checked-Out By:

Classification

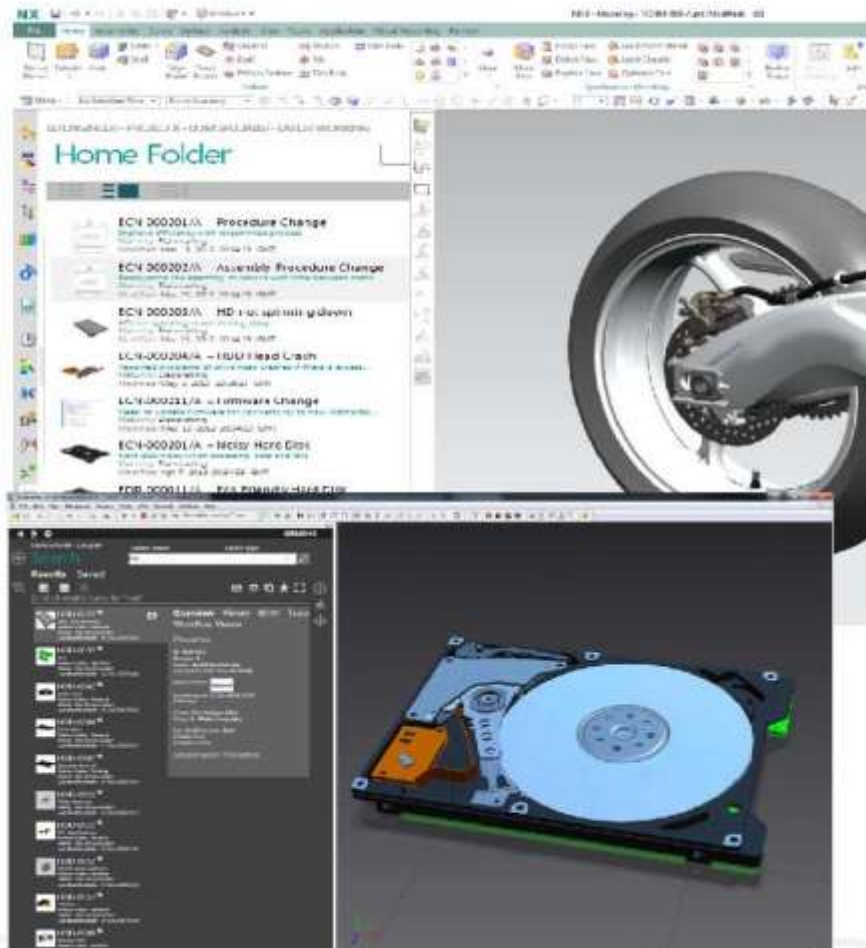
Seed Part

Immediate access to all data pertaining to similarly shaped parts!



2. 솔루션 기능 소개

2.4 AWC Integration



Embed in other applications

- NX
- Teamcenter Visualization

Adapts to other Siemens applications

- Theme remains consistent

Consistent Teamcenter Experience everywhere

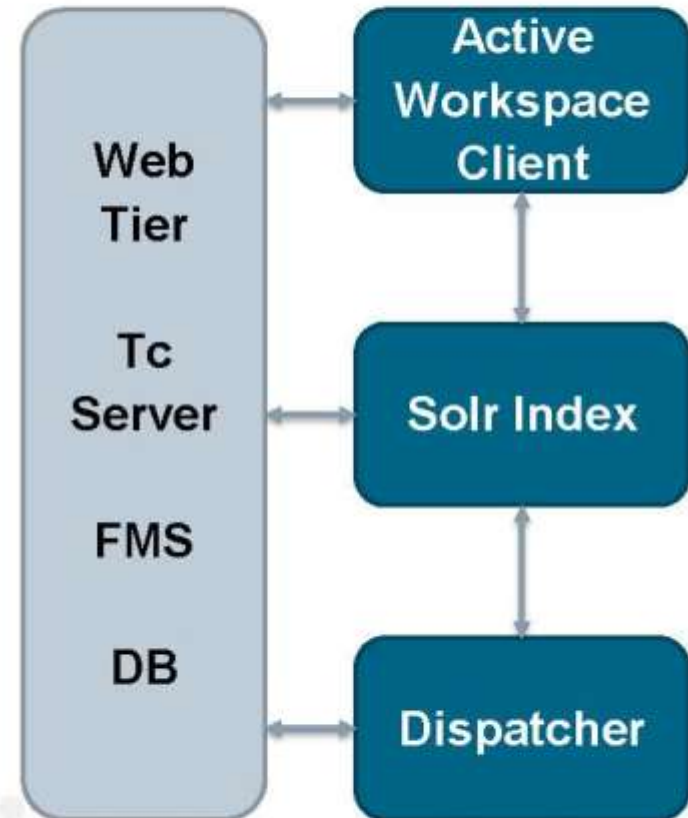
- Microsoft Office
- Other authoring tools



2. 솔루션 기능 소개

2.5 Configuration & Architecture

- Teamcenter
 - ✓ Teamcenter 9.1.2.x
 - ✓ Teamcenter 10.1.x
- Middle Tier
 - ✓ J2EE
- Database
 - ✓ Any supported Teamcenter database
- Other
 - ✓ Solr
 - ✓ Maven
 - ✓ JDK 1.6.x or later





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3. Summary Solution Key Characteristics

Superior User Experience

- Reimagined
- Uncluttered
- Graphically engaging
- Animated / Performance (fast and fluid)

Targeted for all

- Intuitive for all levels of user experience

Configurable

- Easily tailored for an Industry, customer, group, role, project, program and process

