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Extend Your Designer Toolbox with NX Tokens

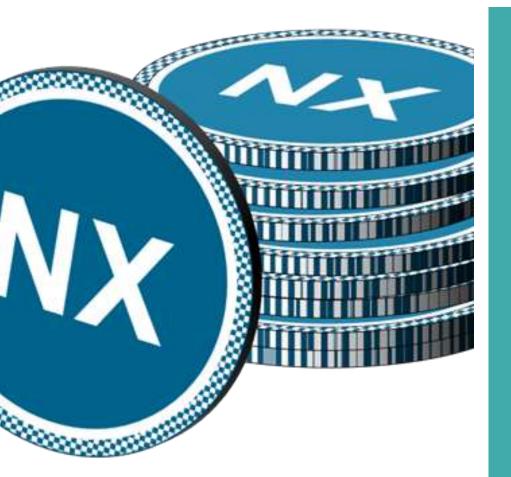
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Agenda







What are NX Tokens?

How is it licensed?

How does it work?

What are the capabilities?

How to get started?

Why choose tokens?

Q&A

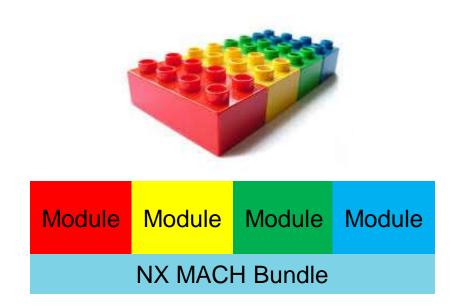
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What are NX Tokens?

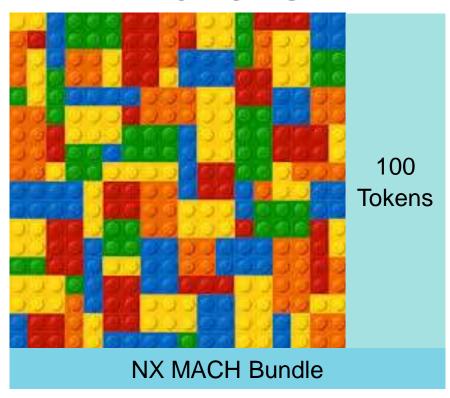
NX Value Based Licensing "Tokens"What is it?



Traditional



"Tokens"



50+ Modules

Flexible

Cost Effective

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How is it licensed?

NX Value Based Licensing "Tokens" Licensing Options



NX Value Based Licensing 100 Pack

Product Code: NX35100 **License Type**: Subscription

User Type: Floating

Tokens: 100

NX Value Based Licensing 50 Pack

Product Code: NX35050 **License Type**: Subscription

Tokens: 50

User Type: Floating

NX Value Based Licensing "Tokens" FAQ



For Casual Usage

Base application
MACH 1 Design (FL)
or higher

First token value pack must be 100 Simcenter 3D tokens are different than NX tokens

NX1872 or higher and NX12.0.2 MP14 Annual subscription only

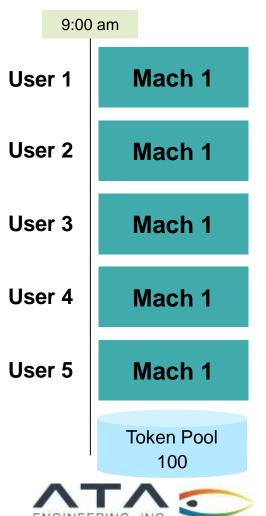
Cannot borrow tokens

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How does it work?

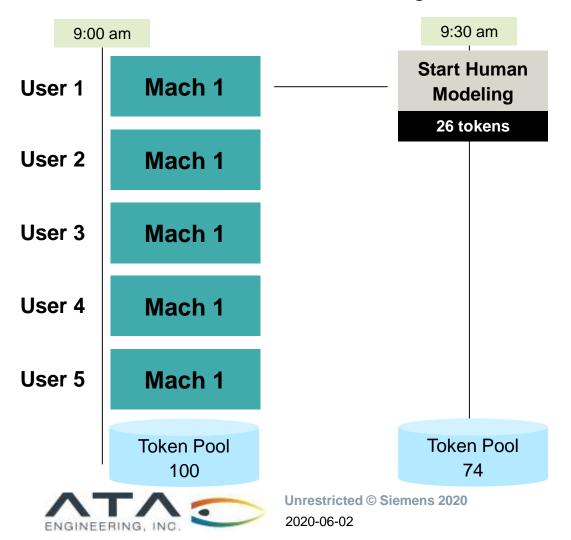


Consider a configuration of 5 x Mach 1 floating seats and a 100 token value pack



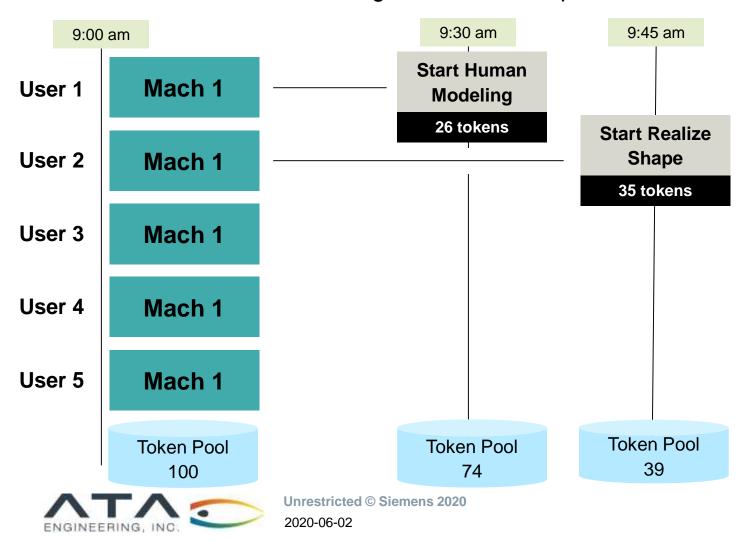
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At 9:30 one of his users starts using NX Human Modeling





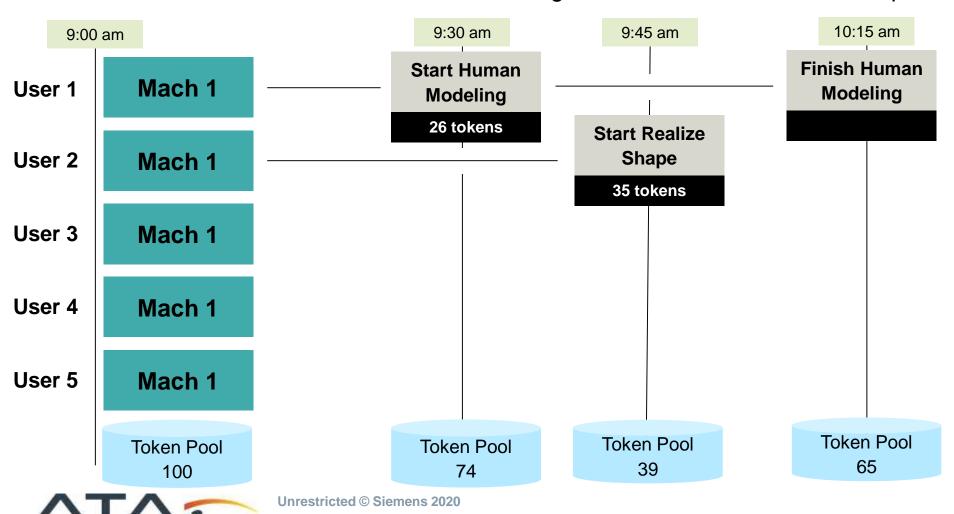
Then a second user starts using NX Realize Shape



2020-06-02

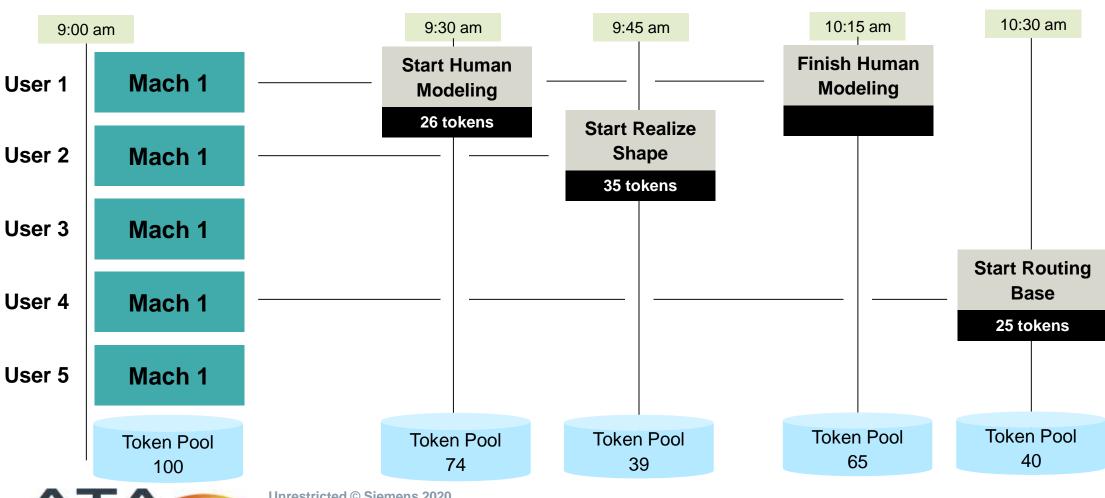


When the first user finishes with Human Modeling the tokens are returned to the pool





Another user starts running Routing Base



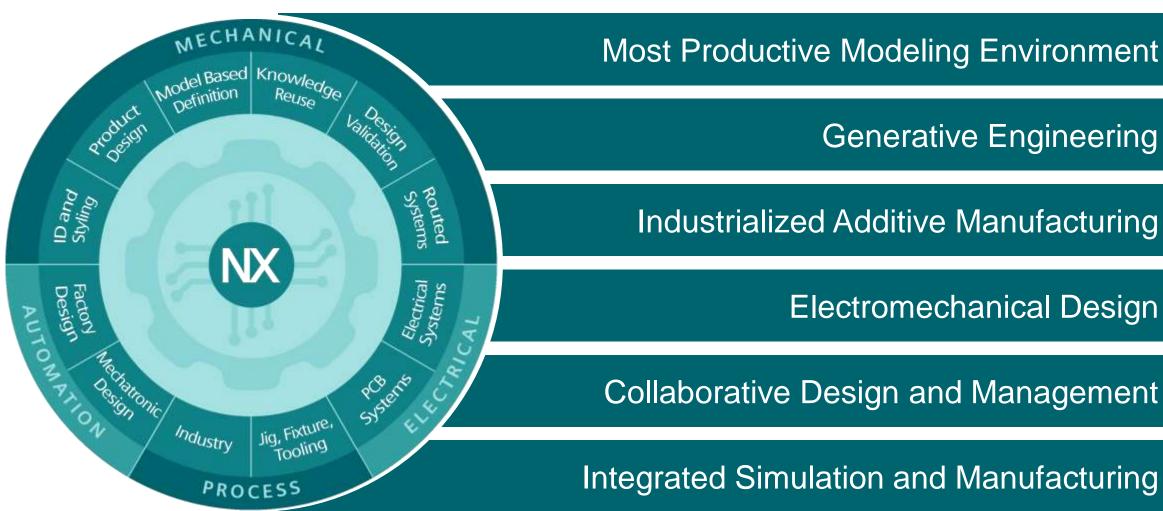
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What are the capabilities?

NX: Breaking down the barriers to innovation





NX Value Based Licensing "Tokens" Modules in Token Pool



Routing

Translators

Advanced SM Path Extraction Kinematic Motion Studies **Ergonomics Native Viewer** Weld Design

	Mechanical Design	NX30173	Draw	ing Automation for NX (v10 and +)	
	Mechanical Design	NX30140	HD3D Visual Reporting		
	Mechanical Design	NX30111	NX Advanced Sheet Metal		
	Mechanical Design	NX30171	NX Aerospace Design Add-On		
	Mechanical Design	NX30128	NX Assembly Path Planning		
	echanical Design	NX30112	NX F	NX Fabric Flattener	
	hanical Design	NX30178	NX Animation Designer		
ŀ	Mechanical Design	NX30624	NX G		
	Mechanical Design	NX30113	NX H	Industry	
	Mechanical Design	NX30114	NX H		
	Mechanical Design	NX32000	NX P	Aerospac	
	Mechanical Design	NX33000	NX P		
	Mechanical Design	NX30162	NX P	Ship D	
	Mechanical Design	NX30150	NX R		
	Mechanical Design	NX30151	NX S	Vehicle Desig	
	Mechanical Design	NX30301	NX S	Mechatronics C	
	Mechanical Design	NX30144	NX S	Medianonics C	
	Mechanical Design	NX30145	NX S	NX Snip Structure Detail Design	
	Mechanical Design	NX30120	NX V	NX Viewer	
	Mechanical Design	NX30127	NX W	NX WAVE Control	
	Mechanical Design	NX30122	NX W	/eld Assistant	
	Mechanical Design	NX30185	Phys	Physical Architecture Diagram Author	
	Mechanical Design	NX30184	Physical Architecture Diagram Viewer		
	Mechanical Design	NX30183	Phys	ical Parameter Management Author	
	Mechanical Design	NX30187	Physical Parameter Management Viewer		
	austrial & Styling	NX30174	NX Realize Shape		
	Package		NX General Packaging		
10.00100		. D. Conorda i dollaging			

Electro-Mechanical NX30535	Mechatronics Concept Designer for NX	
Electro-Mechanical NX30124	NX MCD Player	
Electro-Mechanical NX30154	NX Routing Base	
Electro-Mechanical NX30153	NX Routing Cabling	
Electro-Mechanical NX30160	NX Routing Harness	
Electro-Mechanical NX30148	NX Routing HVAC	
Electro-Mechanical NX30149	NX Routing P&ID	
	NX Routing Piping and Tubing	
Specific	NX ACIS Translator NX CATIA V4 interface (translator) NX CATIA V5 Interface (Translator)	
e Design		
locian	NX Pro/E interface (translator)	
esign	NX Product Template Studio Consumer	
n Automation	NX STEP ADD-ON AP242	
	NX STEP AP242	
Concept Design	NX VDA Checker	
	NX Die Engineering	

		NX Die Engineering	
Tooling & Fixture	NX30202	NX Die Structure Design	
Tooling & Fixture	NX30123	NX Electrode Design	T 1' \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
Tooling & Fixture	NX30216	NX Feature2Cost - Mold (FL)	Tooling Wizards
Tooling & Fixture	NX30200	NX Mold Wizard	Mold Costing
Tooling & Fixture	NX30688	NX Molded Part Validation	Word Costing
Tooling & Fixture	NX30620	NX One-Step Formability Analysis	SM Flattening
Tooling & Fixture	NX30205	NX Progressive Die Wizard	Civi i latterning
Tooling & Fixture	NX30146	NX Ship Structure Manufacturing Prep	

Subdivision Modeling

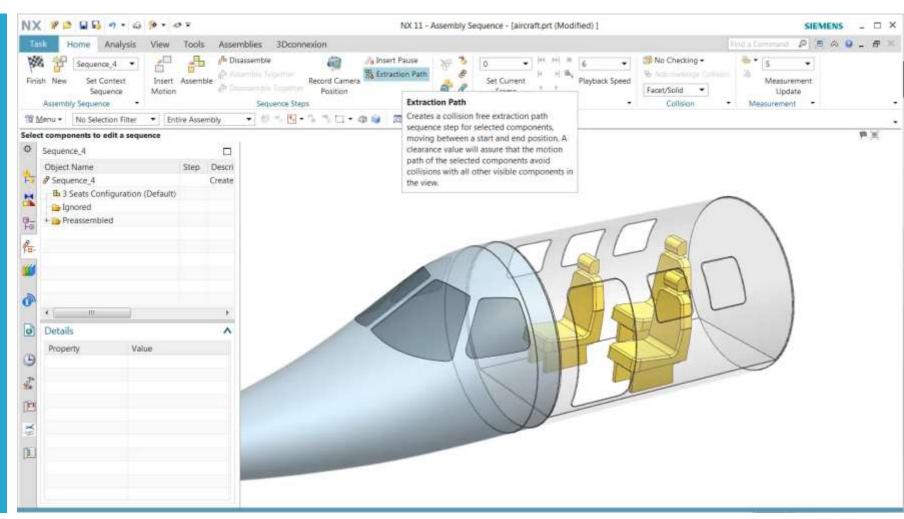


Assembly Path Planning



Automatically create a collision free extraction path for a component

Assist with developing maintenance operation plans



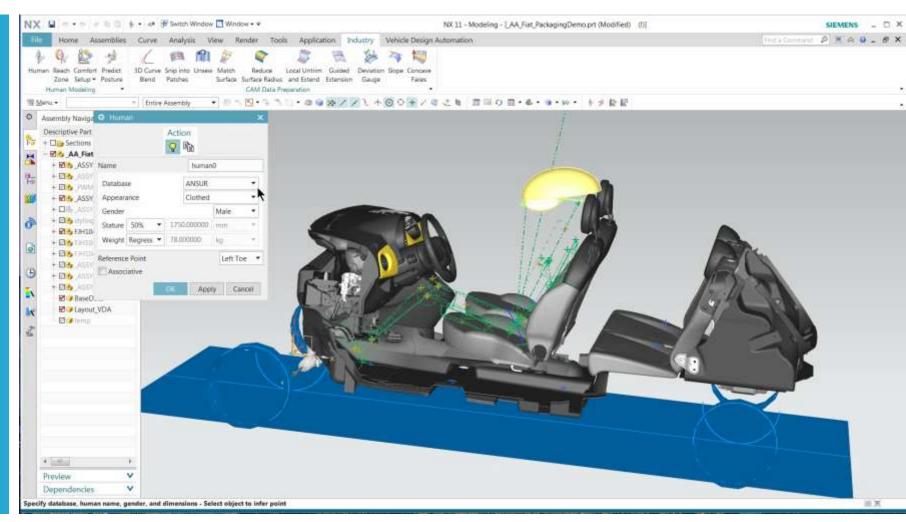
Human Modeling



Use the anthropometric data of the human models to ergonomically optimize your product design

Analyze for body posture, reach, comfort and clearance

Reduce the dependency on physical prototypes



Animation Designer

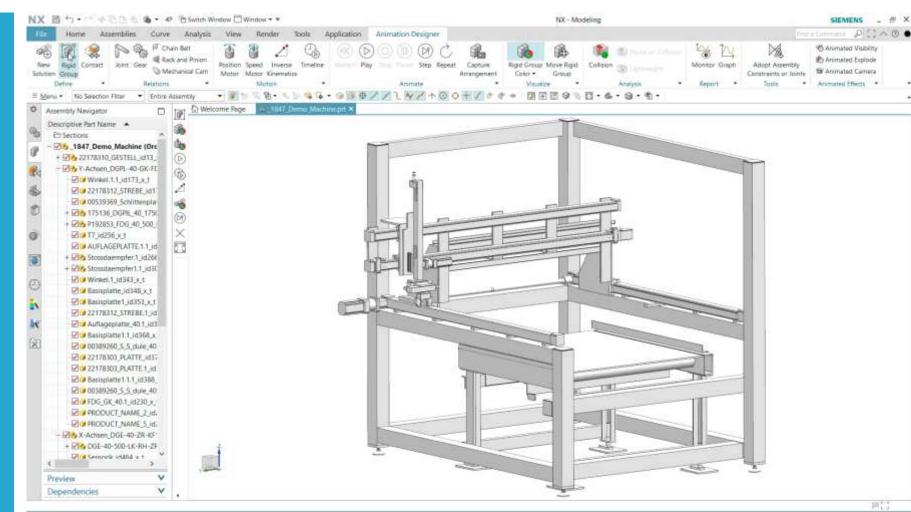


Quickly create motion studies

Check for dynamic interference

Optimize assembly and disassembly sequencing

Generate realistic animations for proposals



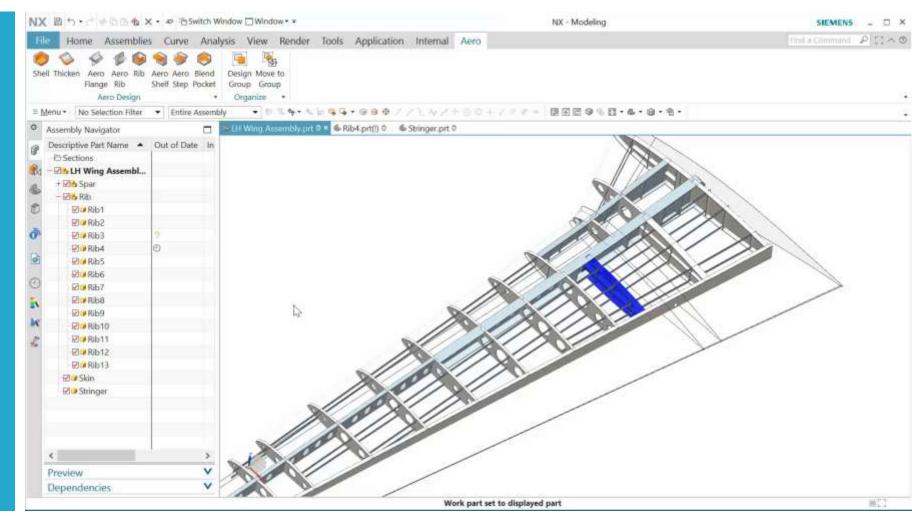
Aerospace Design



Process specific commands for airframe design

- Flange
- Rib
- Shelf
- Step

Increased user productivity



NX Ship Structures Applications



Ship General Arrangement

Provides the necessary

model of the General

its corresponding 2D

drawings.

functionality to create a 3D

Arrangement of a ship and

Helps designer model the Initial steel structure of a ship including major ship plate and profile systems and subsystems along with Standard parts, brackets and cutouts

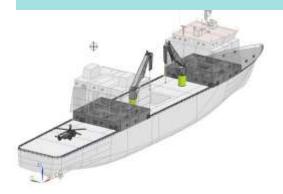
Basic Design

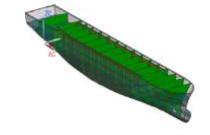
Detail Design

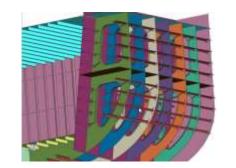
Provides all the tools required to build a fully detailed 3D representation of the structure of the ship from the initial concept or basic design model which can then be used by downstream manufacturing.

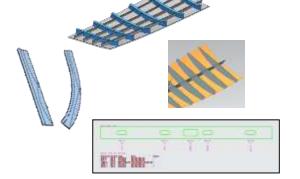
Manufacturing Preparation

Provides tools and capability to prepare and organize the manufacturing assembly based on detailed design and additionally add the required production information to detailed parts











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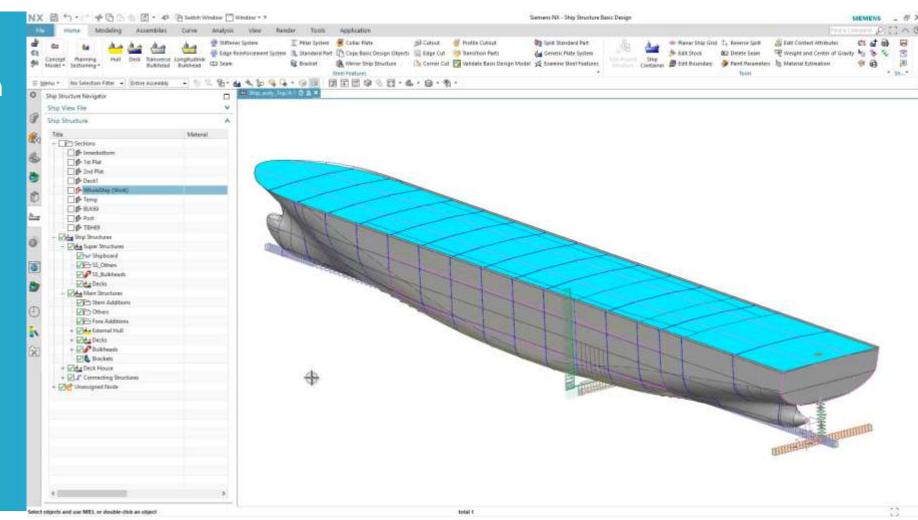
Ship Structure Basic Design



Easy development of initial steel structure from hull form

Supports plate systems, profile systems, seams, standard parts, cutouts

Accurate weight, center of gravity and raw material estimation



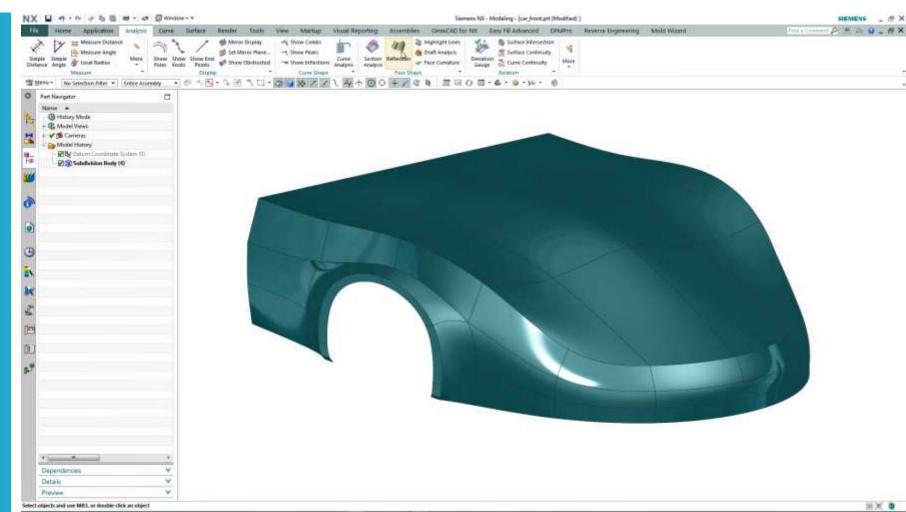
Realize Shape



Develop complex shapes quickly with integrated freeform & subdivision modeling

Easy to use, intuitive push-pull actions

High quality results for full downstream reuse without data conversion



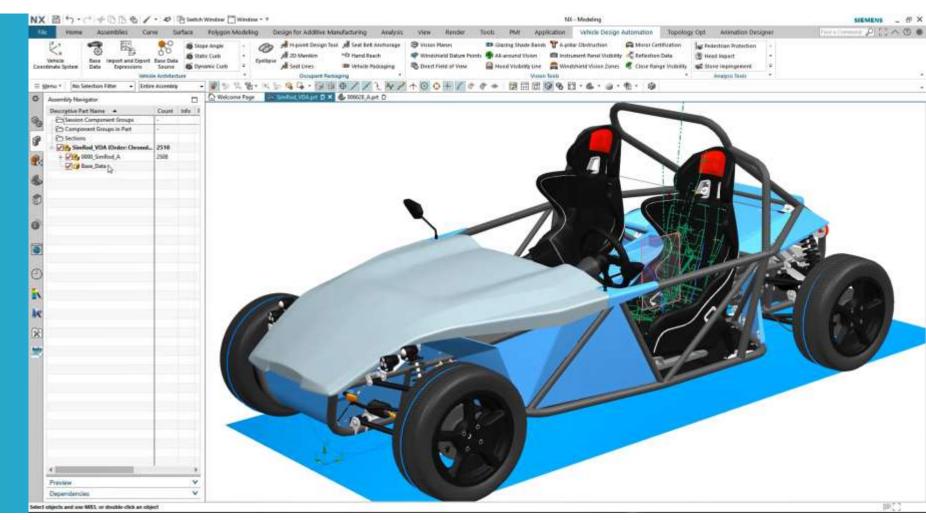
General Packaging

Vehicle Design Automation (VDA)



Wide range of OOTB occupancy/mechanical packaging studies and visibility validation for automotive

Incorporates several auto industry validation standards (GTR, SAE, ISO, ECE, EEC, etc.)



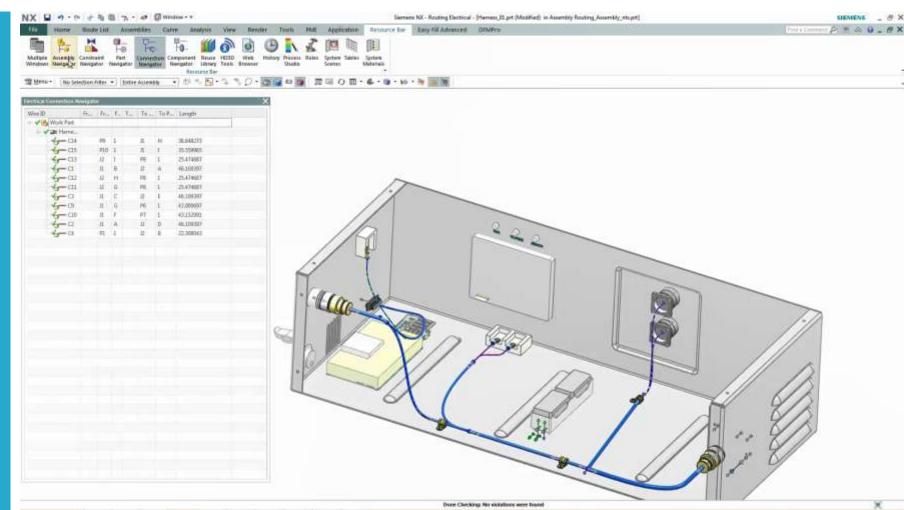
Routing Base + Harness



Quick creation of associative routing paths

Automatic calculation of wire harness bundle diameters

Calculate accurate BOM's and cut lengths for harness manufacturing



Translators





ACIS

CATIA V4 and CATIA V5

Pro/E Interface

STEP AP242



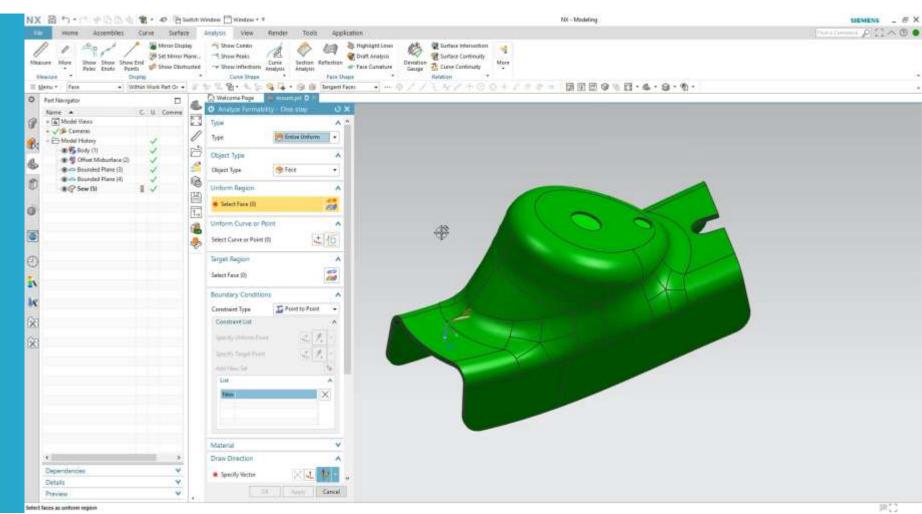
One-Step Formability Analysis



Flatten all or some faces of a complex sheet metal part using FEM analysis

Calculate the thinning, stress, strain, and springback to predict the risk of forming

Output flattened profile and springback bodies



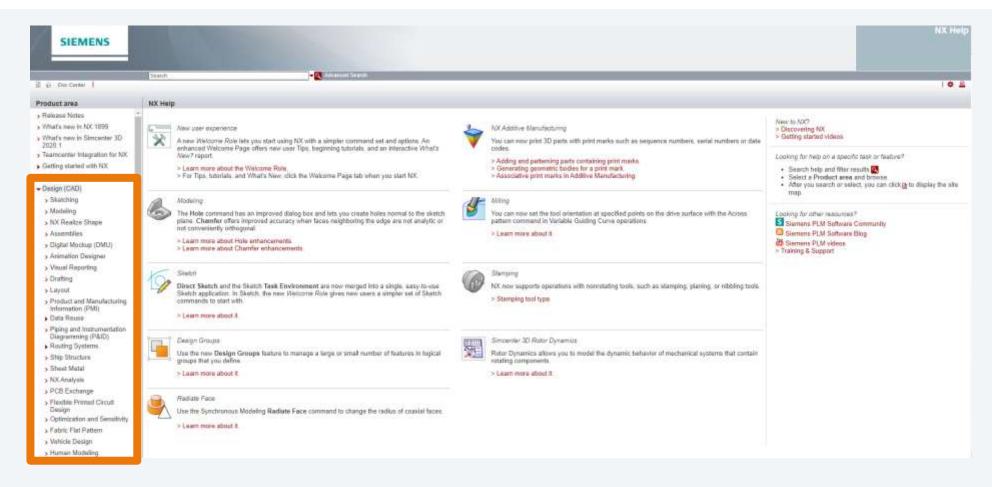
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How to get started?

How to Get Started

NX Documentation





https://support.industrysoftware.automation.siemens.com/general/nx.shtml



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Why choose tokens?

NX Value Based Licensing "Tokens"

Value to You



Increased Productivity

Access to over 50 design modules

Enhanced Flexibility

Share modules across design organization

Cost Effective

Pay one price to access design modules

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Q&A



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#IngenuityIsNX

