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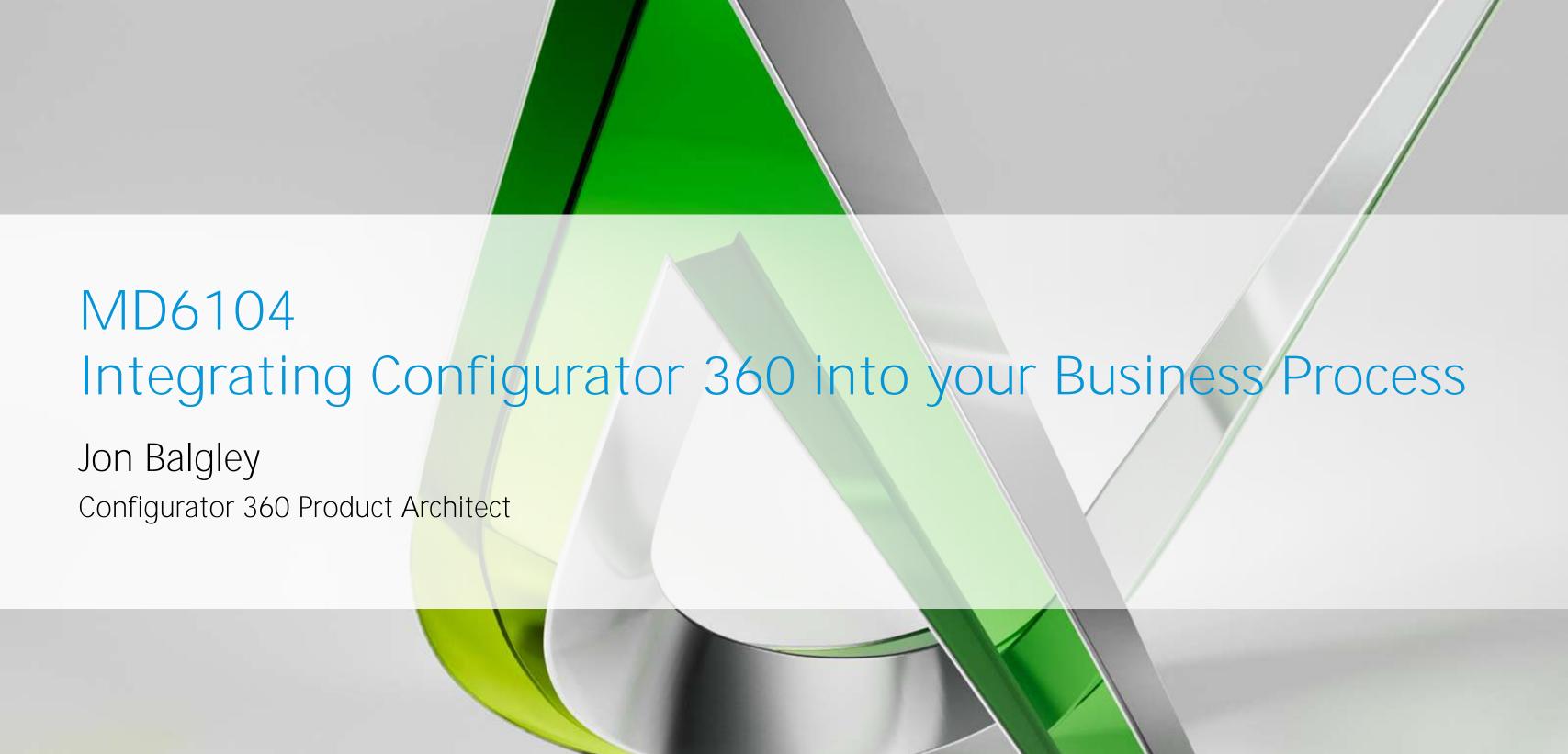
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Class summary

How do you deploy Configurator 360 software in a professional/commercial environment? The great technology from Configurator 360 software embeds effectively into your own company's website and integrates configuration and quoting into your company's business processes. New capabilities introduced this year make Configurator 360 software suitable to be a key component that can help your company to better serve its customers. In this class you will discover how to integrate Configurator 360 software's configuration and quoting capabilities into your own website, and you'll see how to use Configurator 360 software in conjunction with Autodesk PLM 360 software to track leads. You will also learn how to respond with custom quotes and lead into other downstream engineering, sales, and financial operations.



Key learning objectives

At the end of this class, you will be able to:

- Discover the website integration capabilities of Configurator 360 service
- Discover the extent of integration with Autodesk PLM 360
- Discover the business-process capabilities that could be enabled or enhanced
- Recognize the roles and skill levels required to effectively integrate the Configurator 360 service into a typical business



- Introduction
- Overview of Configurator 360
- Embedding into Your Website
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- PLM 360 BOM
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Where does Configuration Fit in Your Business Process?

B2B users requesting info directly from website

Distributors or resellers taking orders

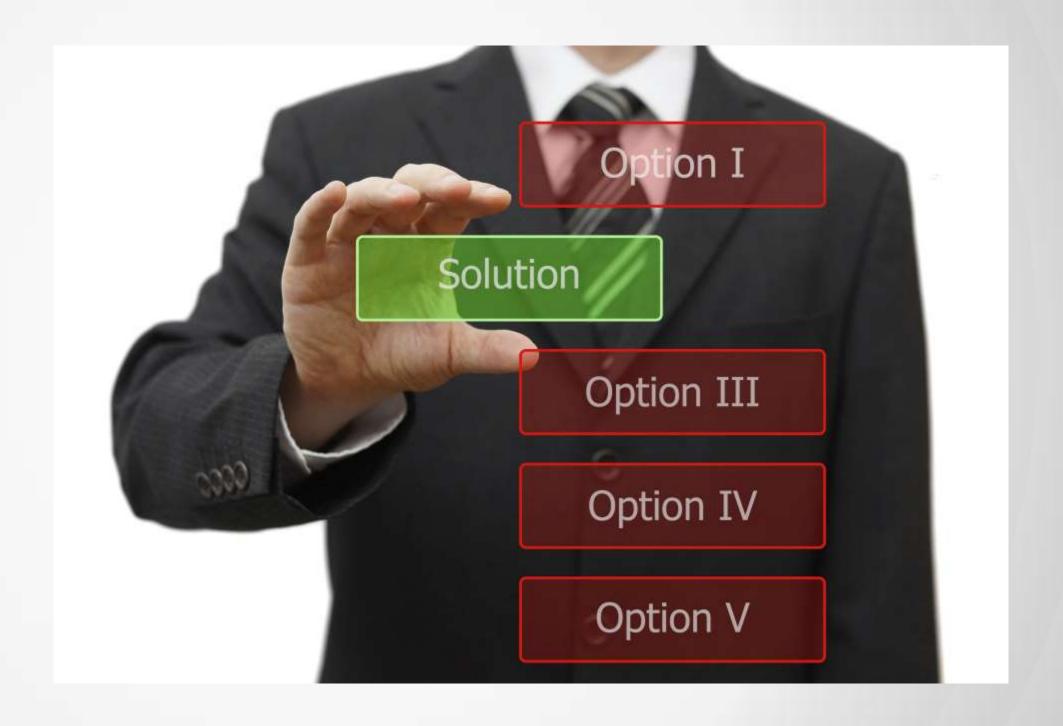
Post-order engineering review/approval







Different Strokes





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Basic Functions

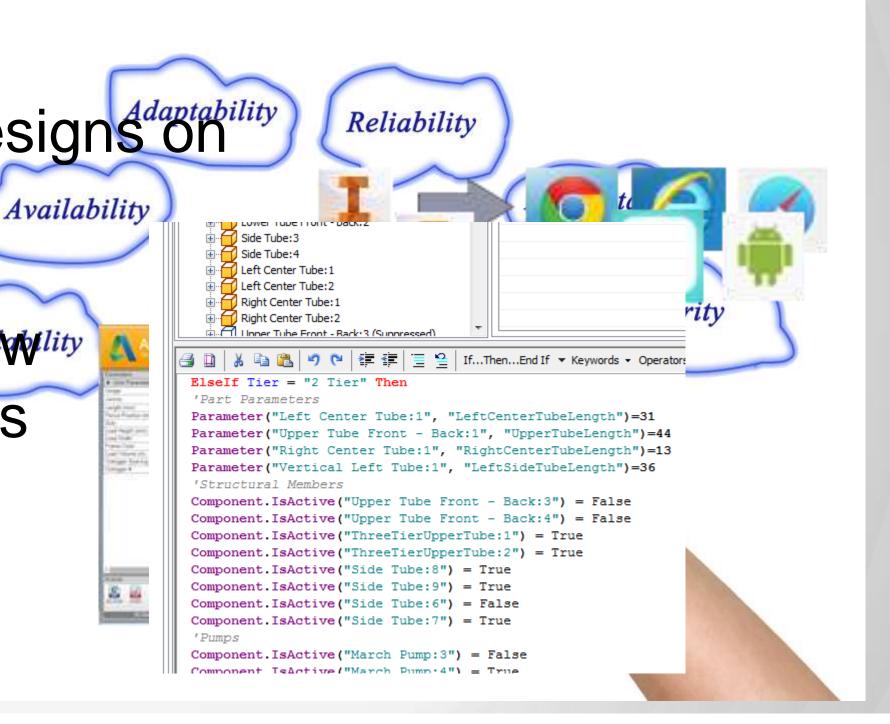
SaaS

Configurable Inventor designs on the web

...and mobile devices

 Expose parameters, showling results, download outputs

- "Catalog"
- iLogic and ETO



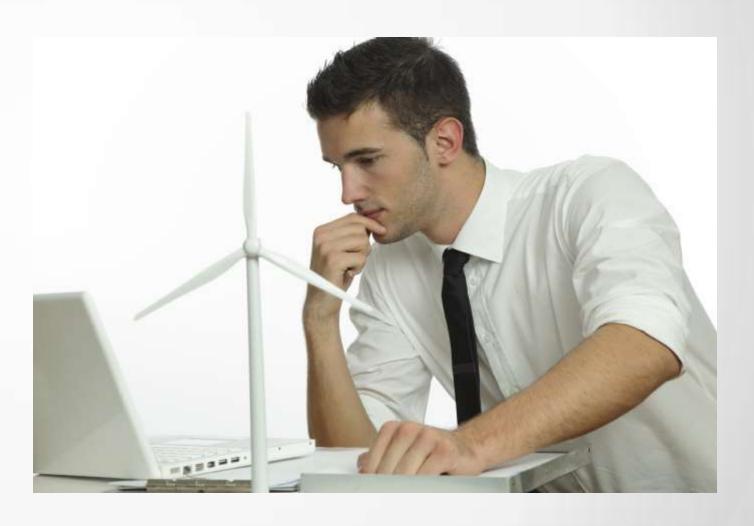
Basic Functions

Two types of user, admin-user / end-user

Alan, the admin-user

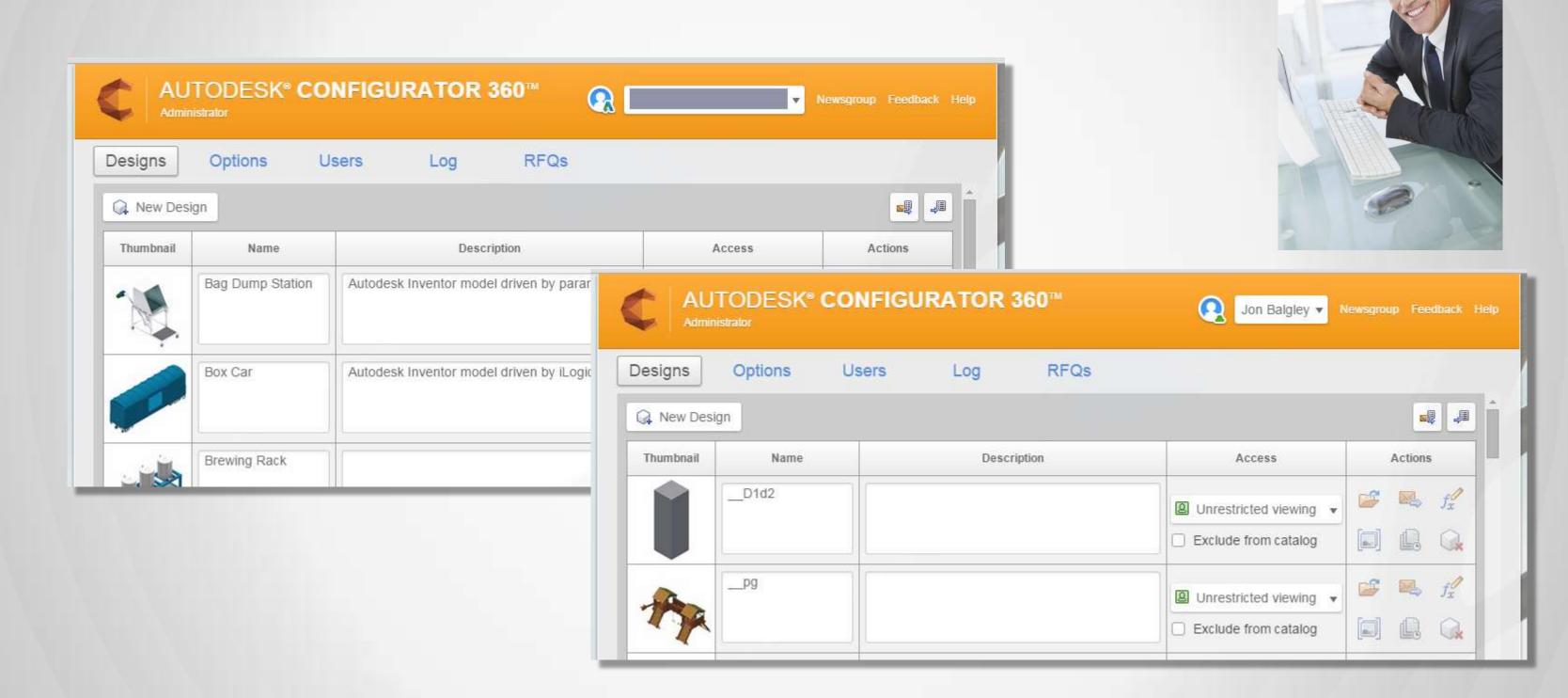


Edward, the end-user



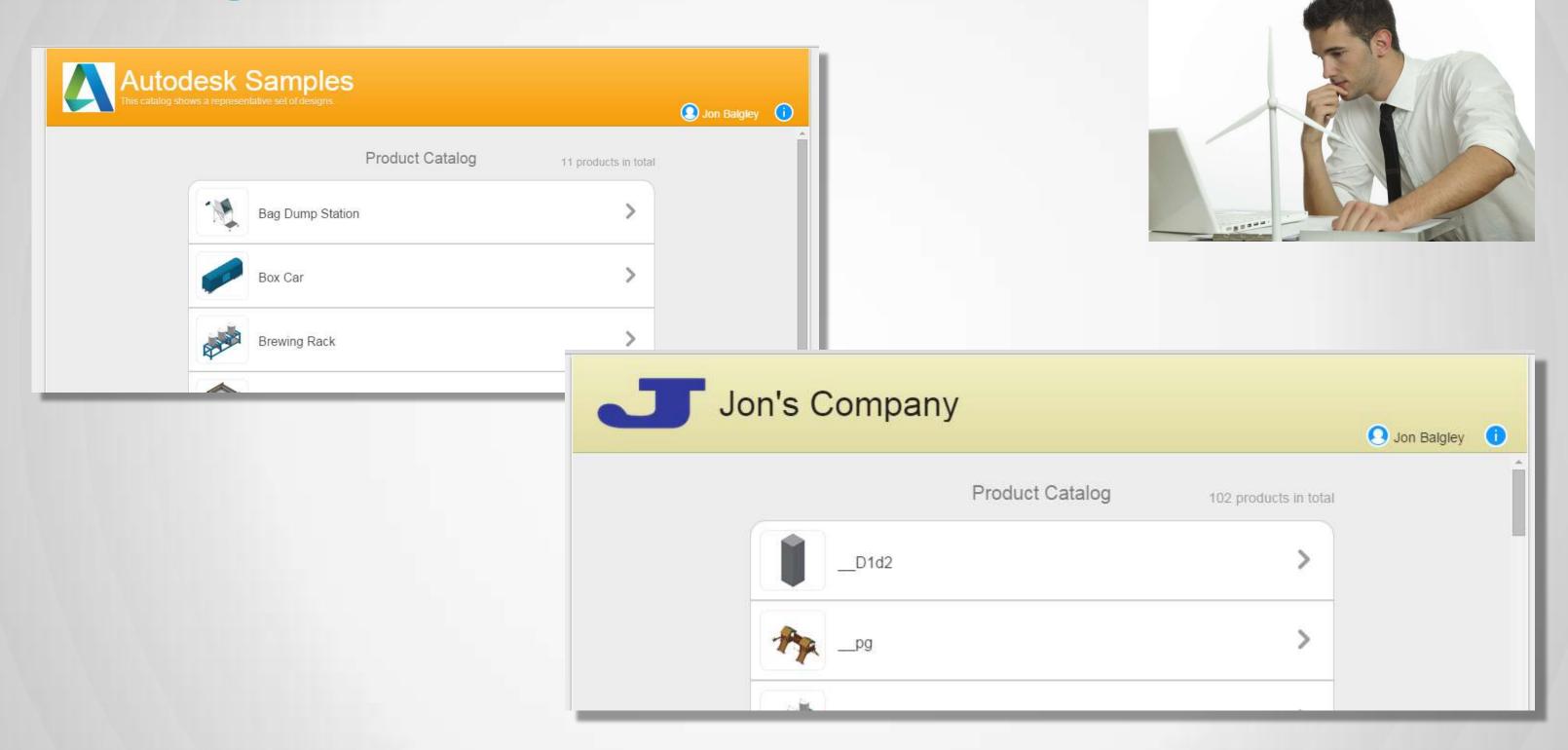


Admin UI – Designs Page

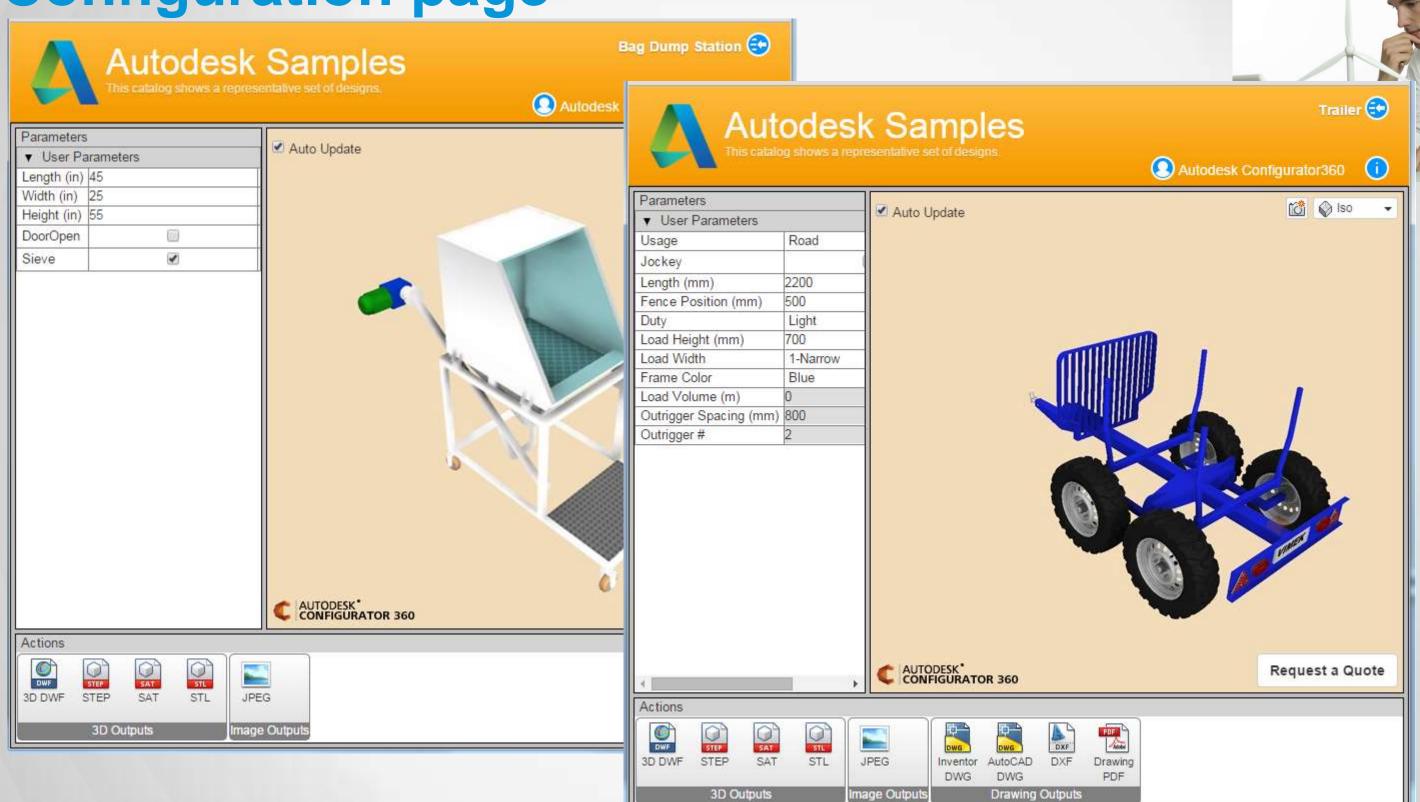




Catalog



Configuration page







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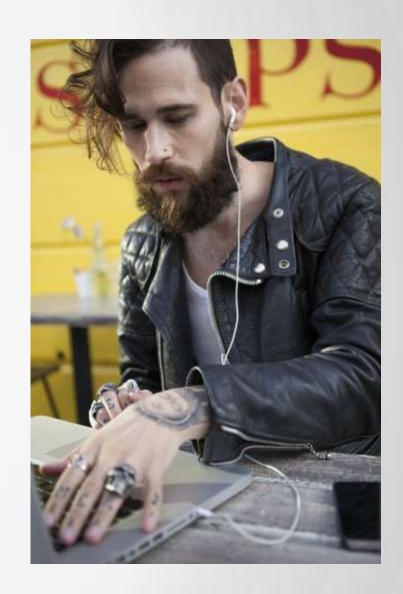


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Embedding

- Out-of-the-box UI usually not sufficient
- Catalog & viewer
- Custom UI via Javascript API
- Test Harness
- Example



Wally the web programmer



Javascript API

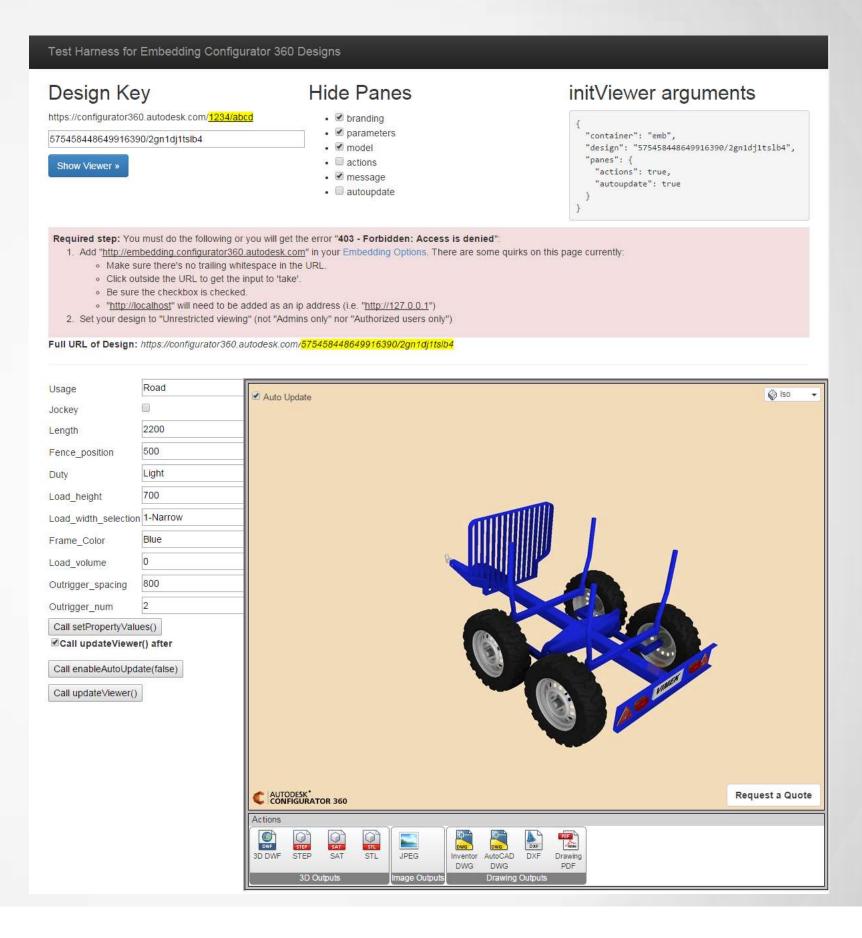
- initViewer()
- getPropertyValues(), setPropertyValues()
- updateViewer()



Test Harness

embedding.configurator360.autodesk.com

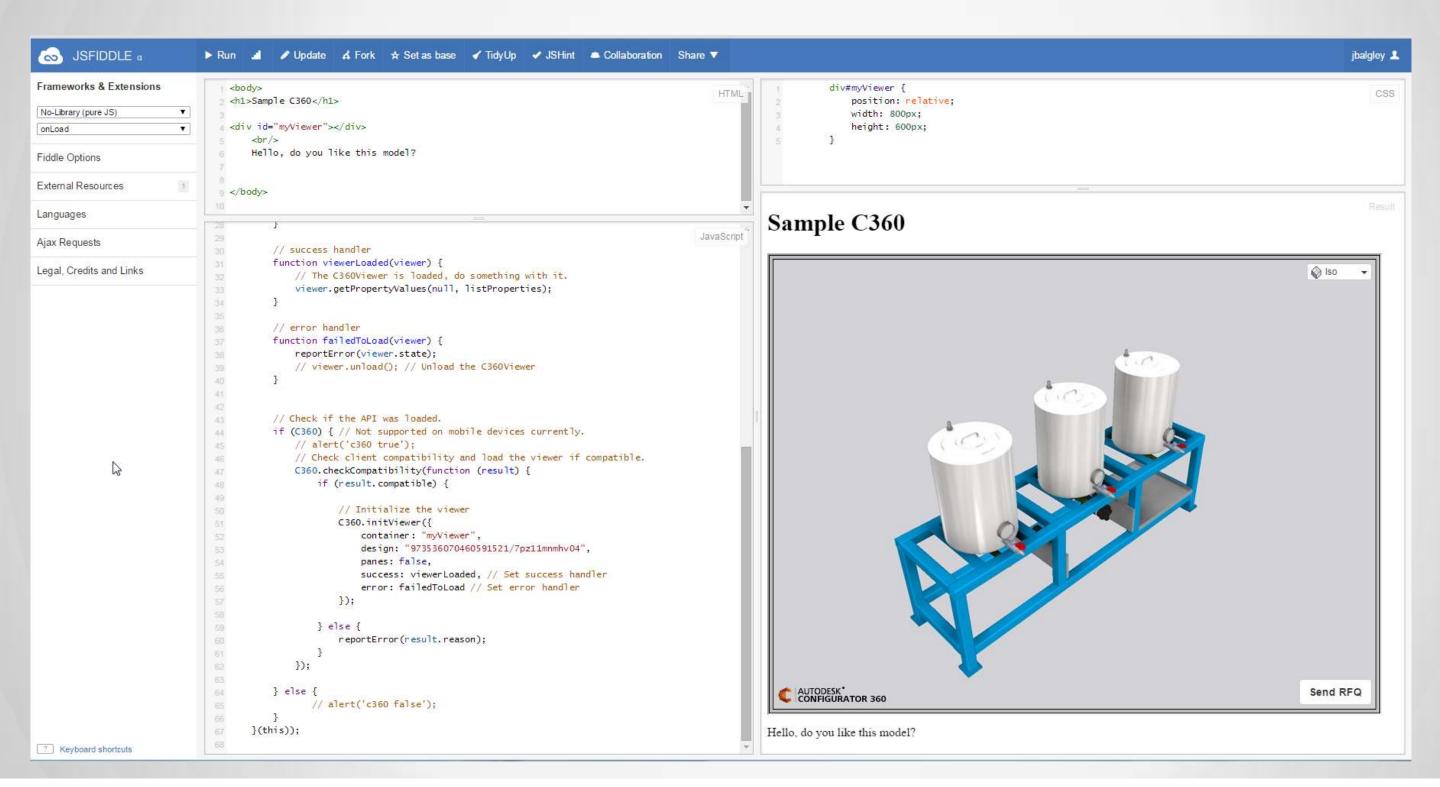
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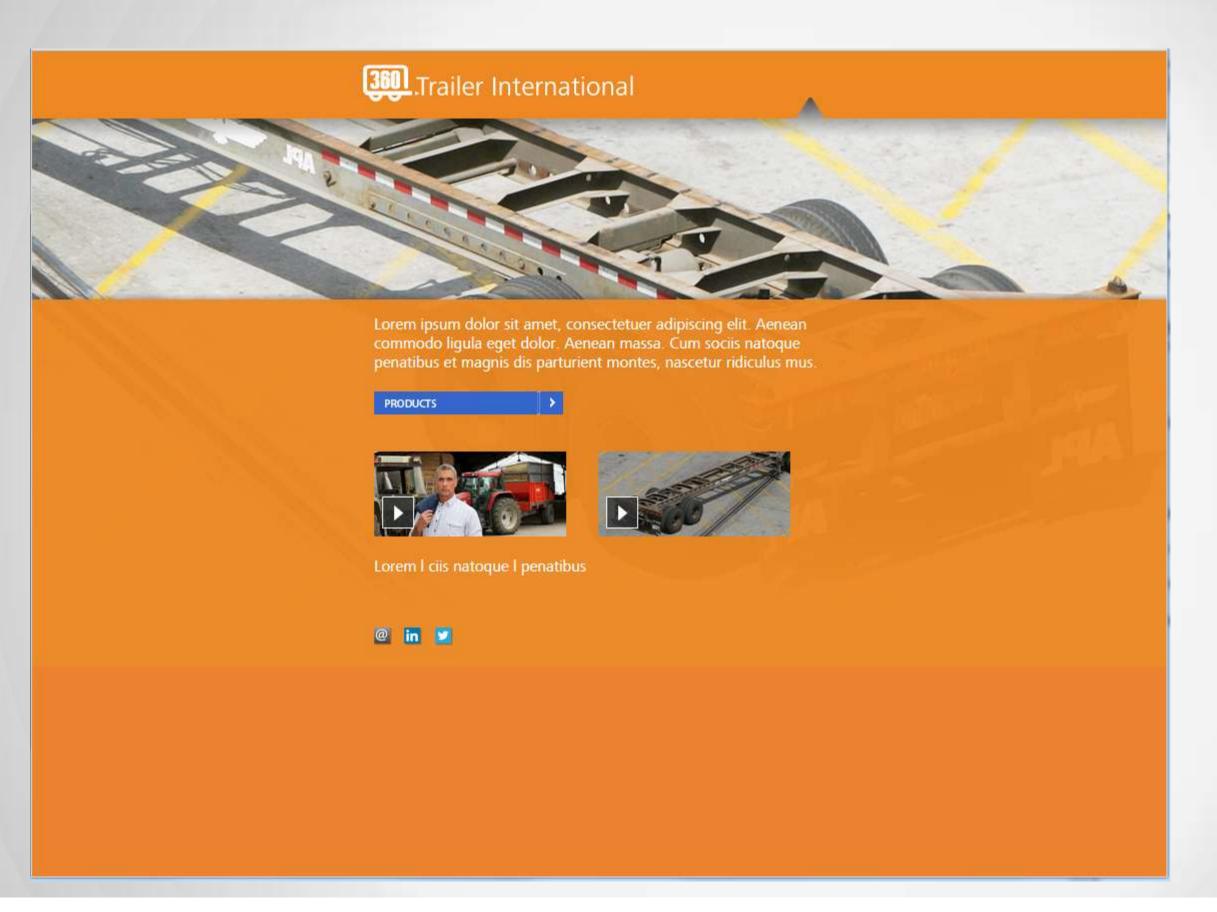
jsfiddle.net





www.360trailers.com











Trailer International





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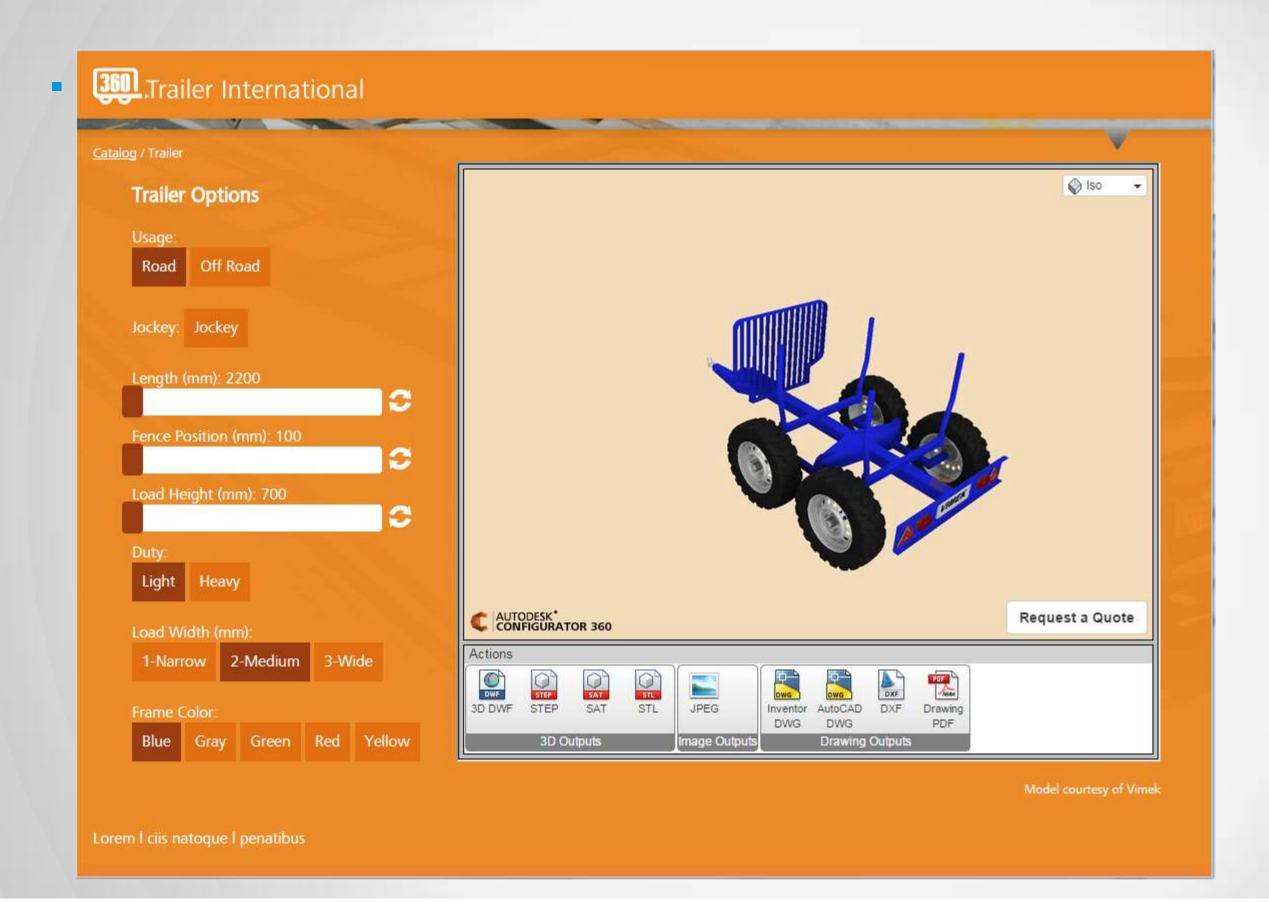
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Staff/Skills required

- But this is a LITTLE project. EASY. Requirements analysis
- Specification
- Funding









Sally the CEO

Sam the sales guy

- Web design
- Javascript programming
- Integration with other internal systems
- Deployment

Alan the Admin-User is central to it!







Irene from I.T.

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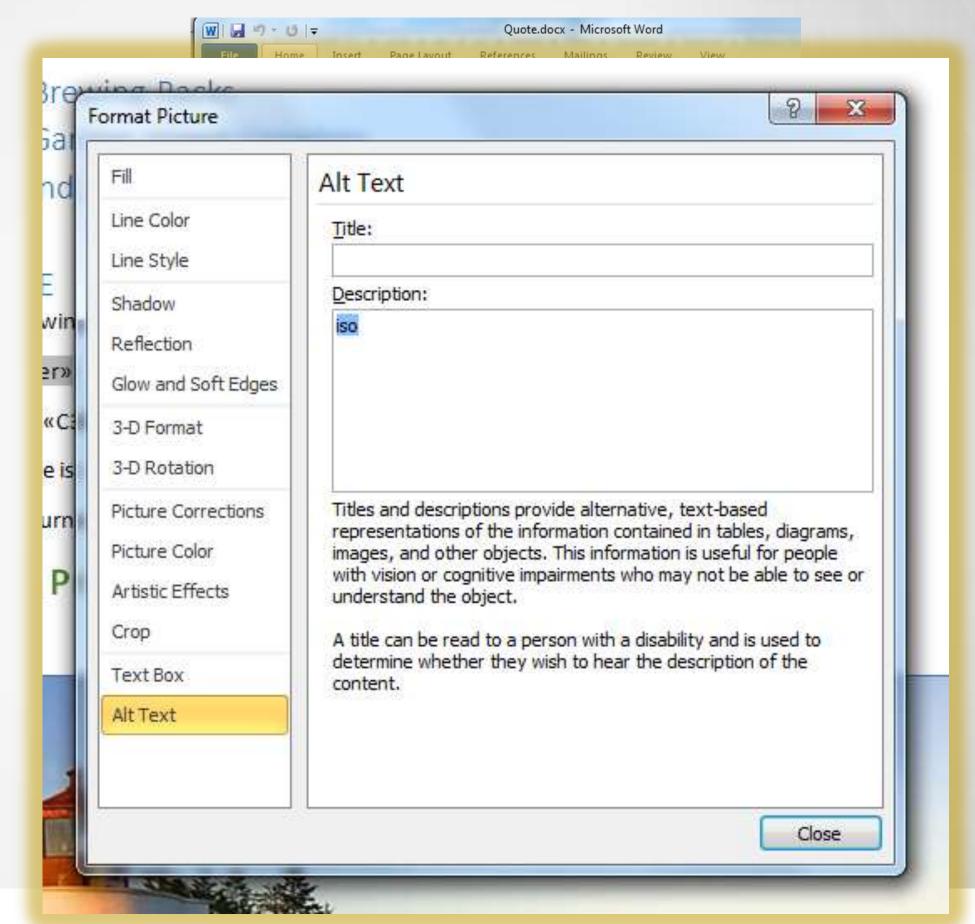
Custom PDF Documents

- For "quotations" or "specs" or "order confirmations"
- Based on Word "template" file
- Merge fields and images, data from Inventor/ETO model



Word template

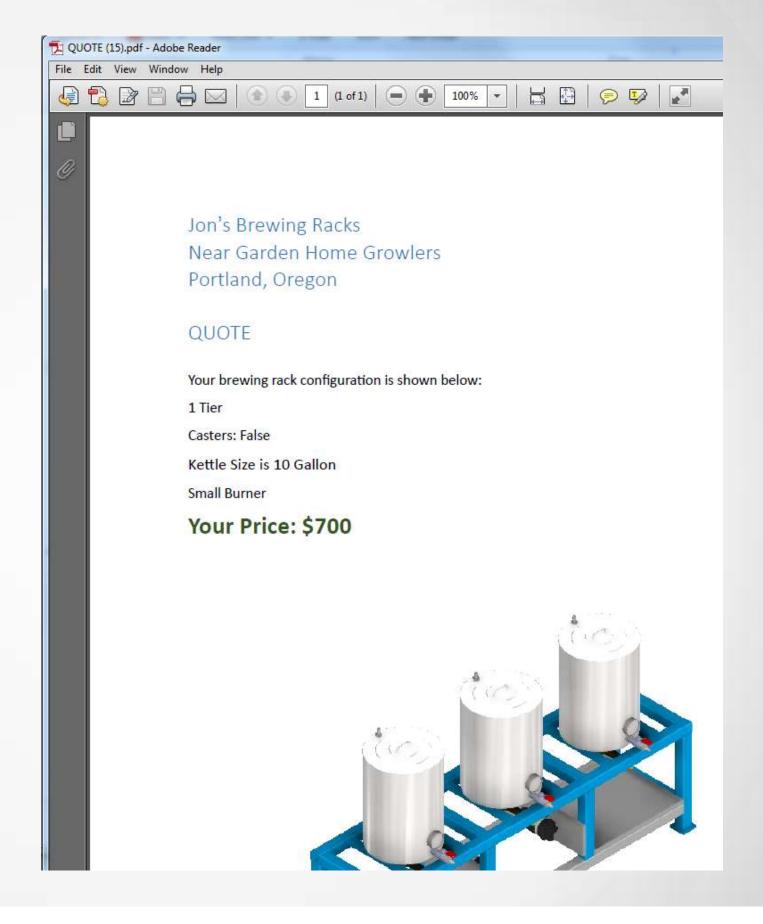






PDF Output







Staff/Skills required

- Simple Word skills
- General Configurator 360 admin skills





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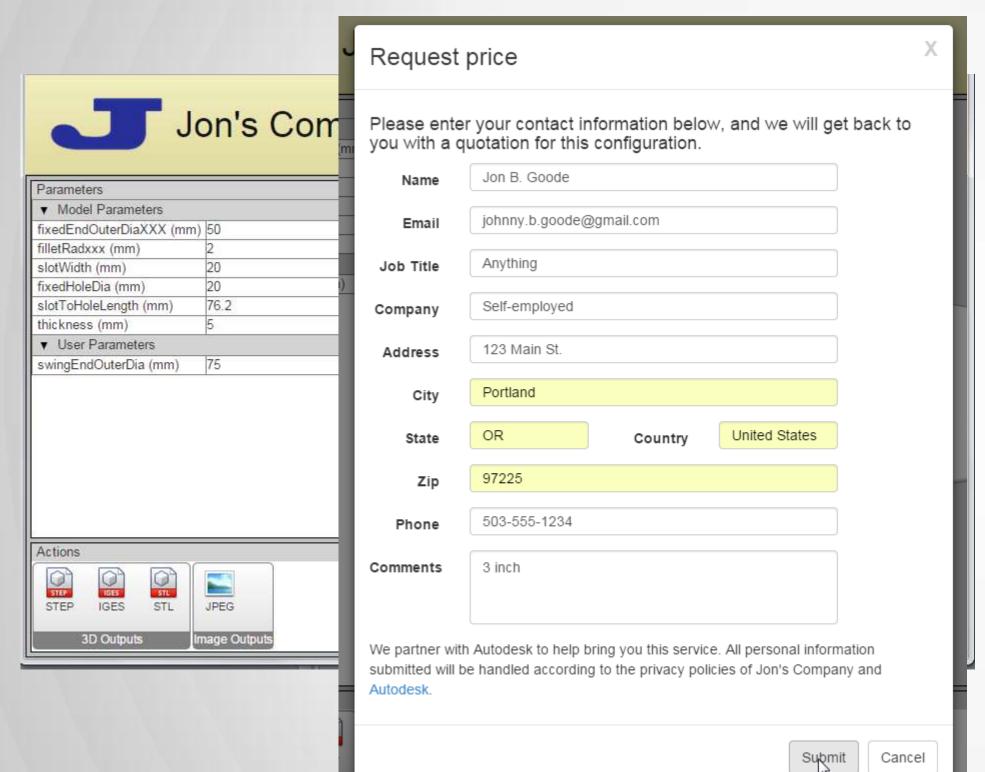


Native RFQ

- RFQ = "Request For Quote"
- End-user makes request
- Configurator 360 keeps track
- Admin-user receives request
- Open model "as configured"



Native RFQ - End User

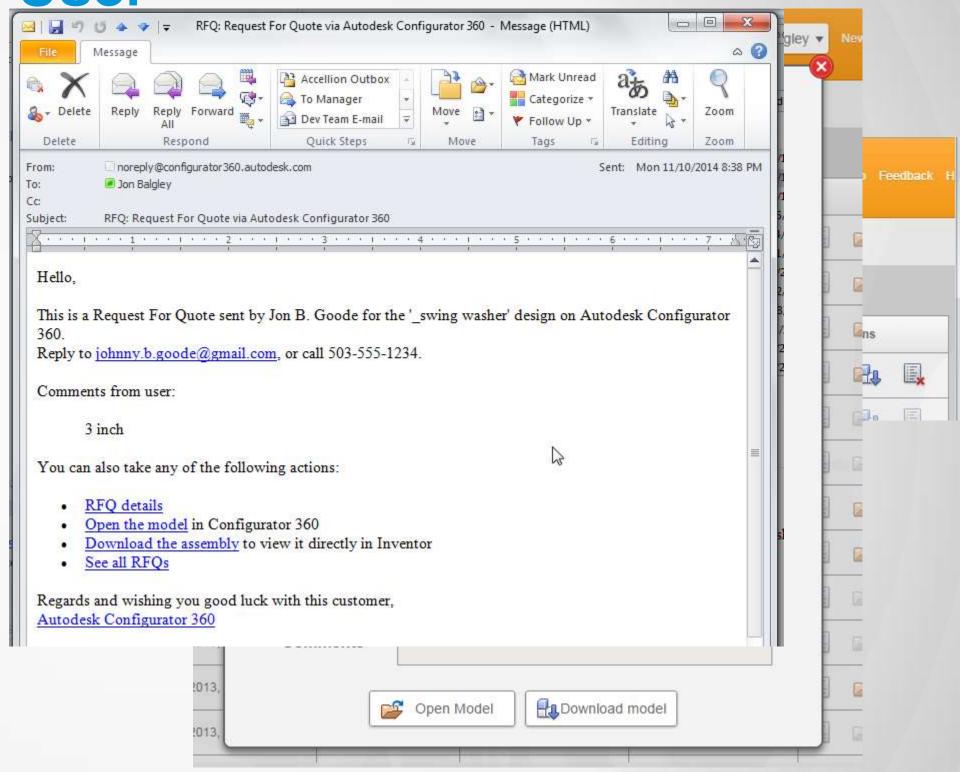






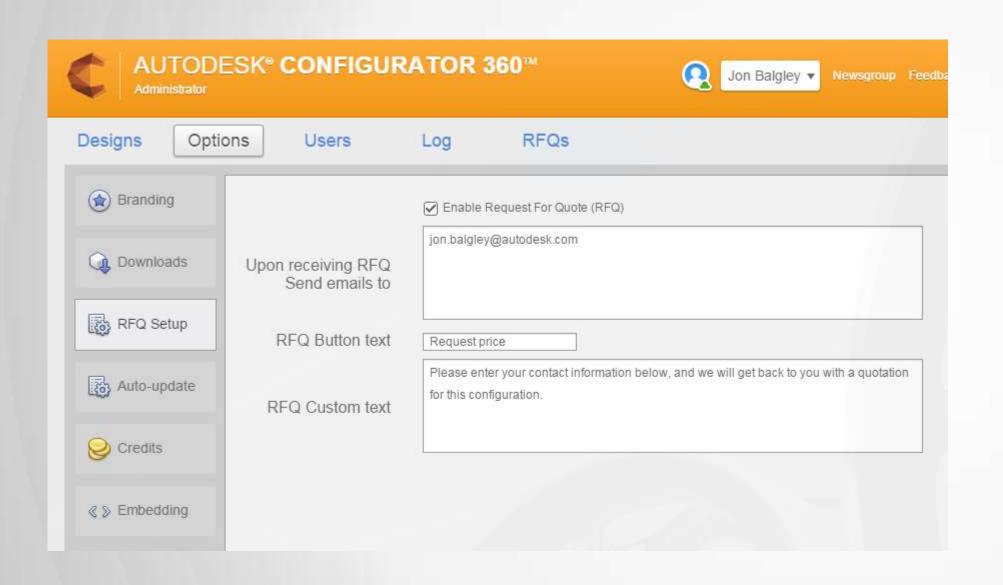
Native RFQ - Admin User







Native RFQ - Setup







Staff/Skills required

General Configurator 360 admin skills





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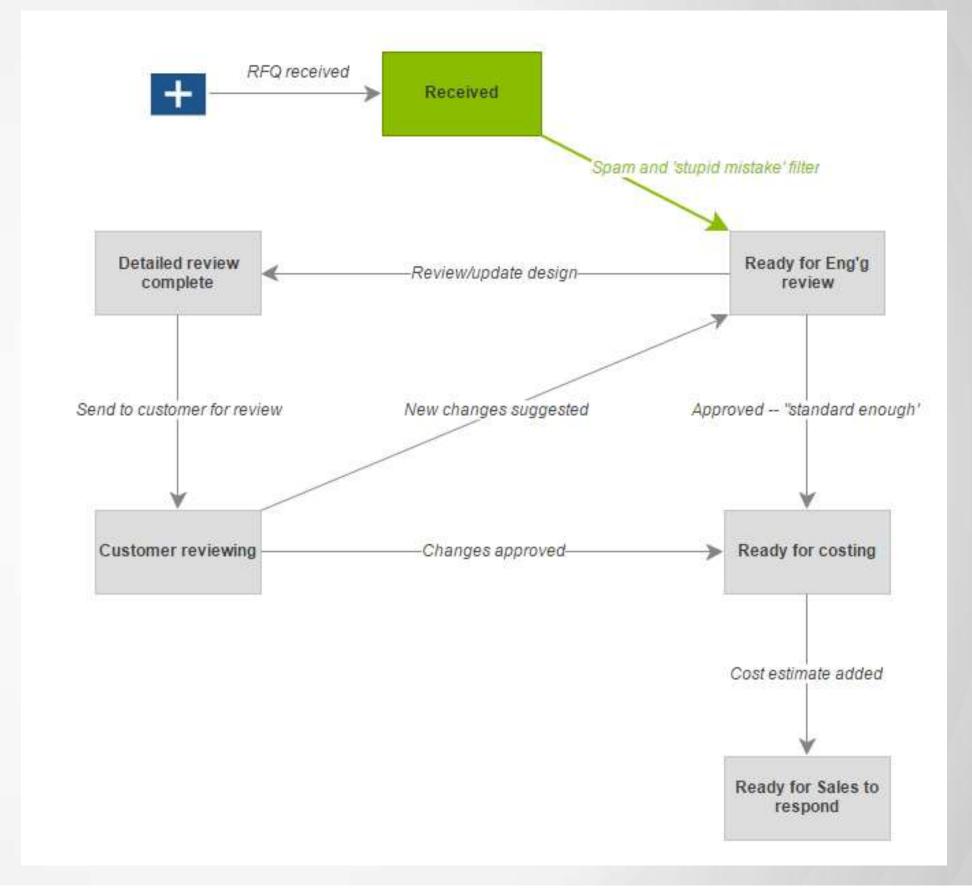
What is PLM 360?



- Autodesk SaaS
- Automation system for managing workflows and records
- Users/groups
- Simple tables/records ("workspaces" and "items")
- Items can have "states"
- Sequence of states forms a workflow
- ...and much more.



Sample Workflow





PLM 360 RFQ

- RFQ = "Request For Quote"
- End-user makes request
- PLM 360 keeps track of data
 - Same ability to open model "as configured"
- PLM 360 "workflow" begins
- "Pairing" / Setup
- "Update" RFQ data



Admin-user Setup



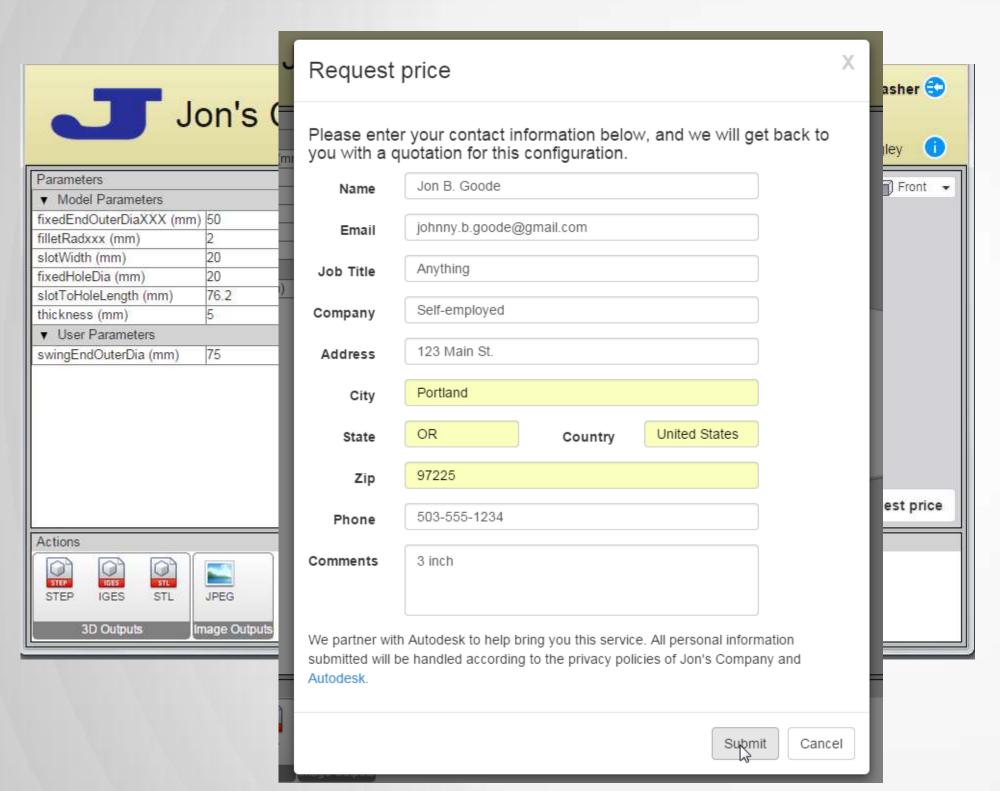


...and more





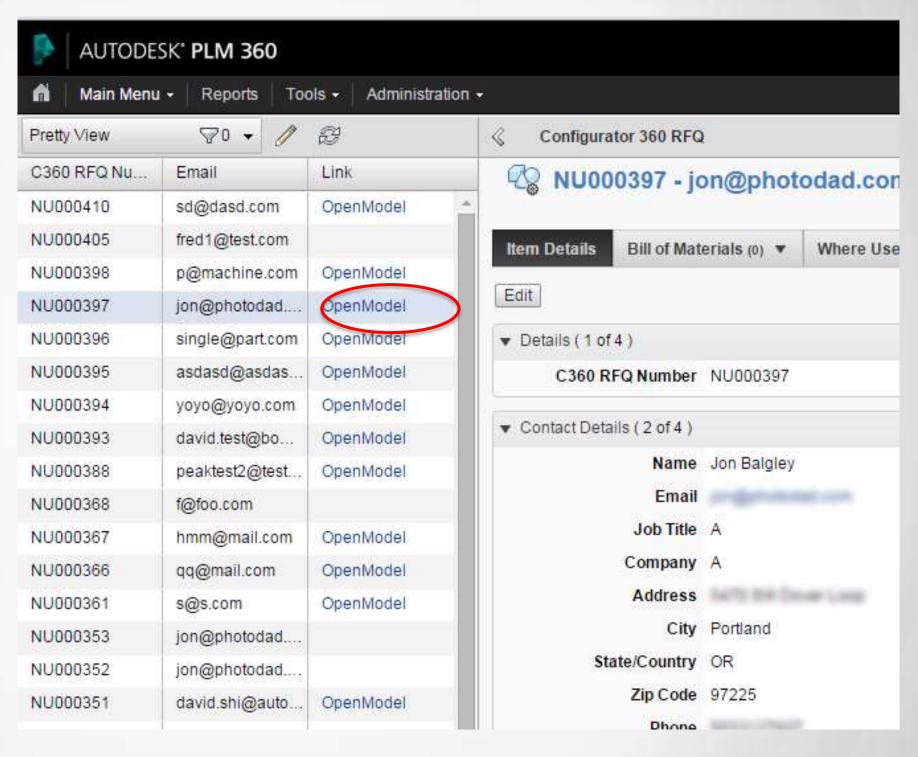
End-user Makes Request







PLM 360 Keeps Track of Data





PLM 360 Workflow Begins

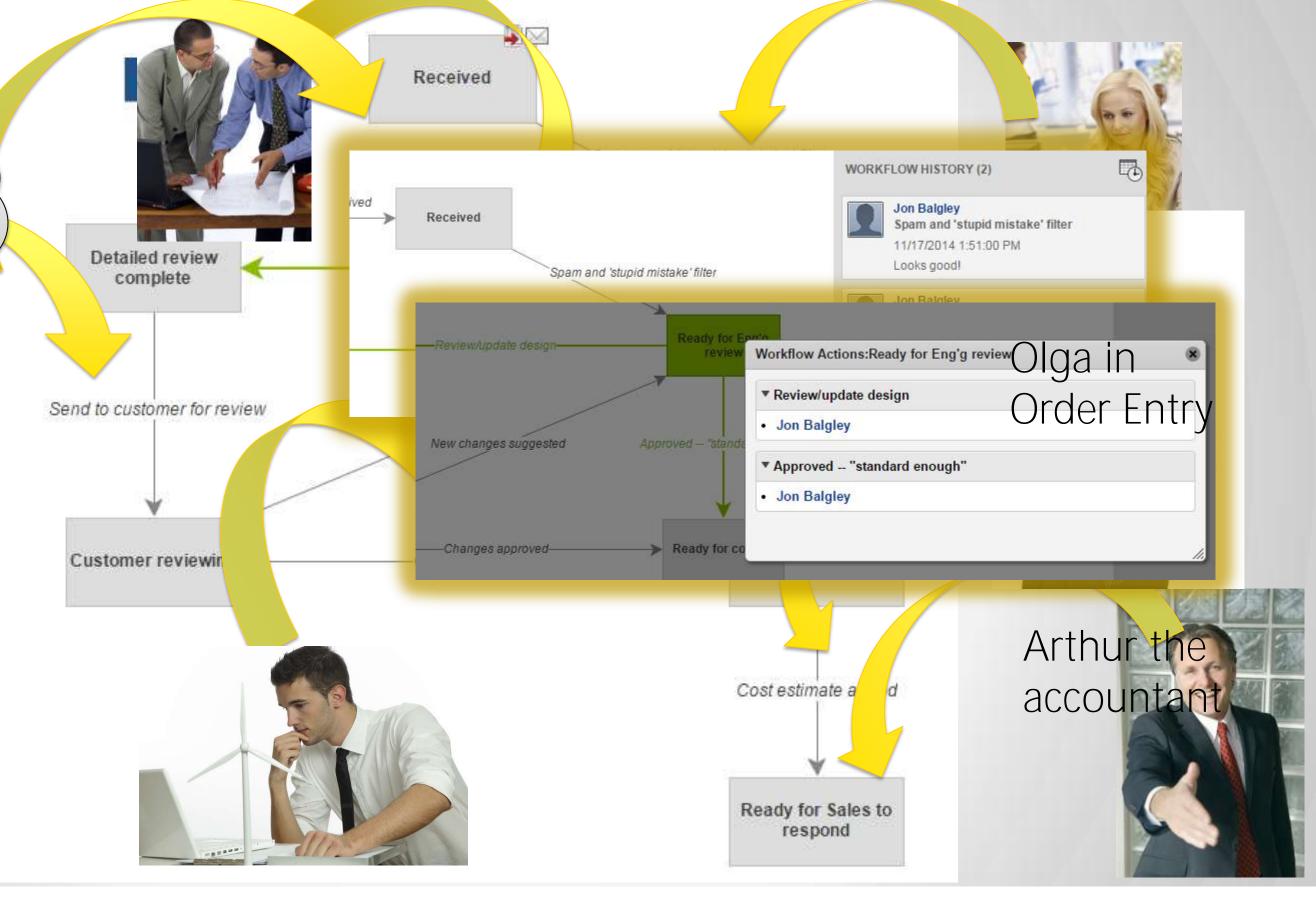




Workflow

Configurator 360









Staff/Skills required

"It takes a village"



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PLM 360 BOM

- BOM = "Bill of Materials"
- Inventor BOM → PLM BOM
- Custom / Standard

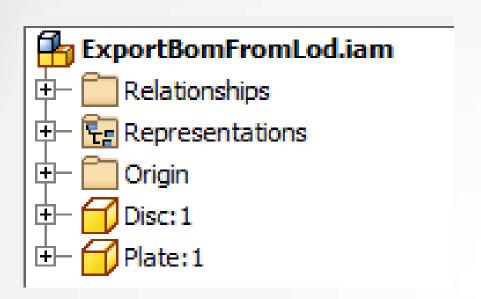


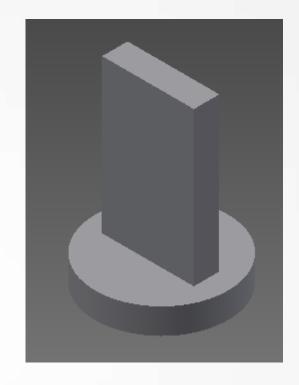
Inventor "BOM Structure"

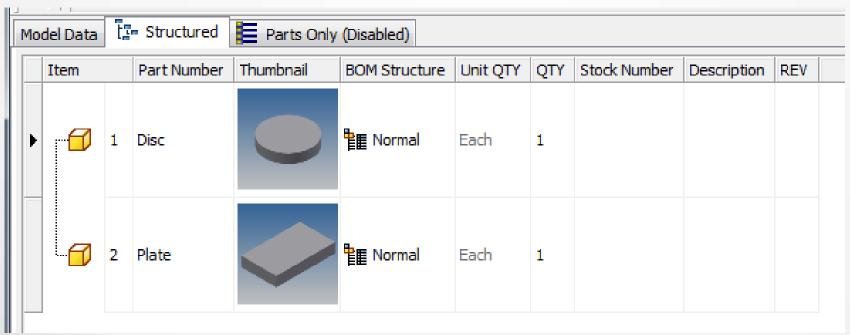
- Normal
- Inseparable normal, but treat assembly like a part
- Purchased assemblies also treated like a part
- Phantom not transferred, children promoted
- Reference not transferred, children ignored



Inventor "BOM Structure"



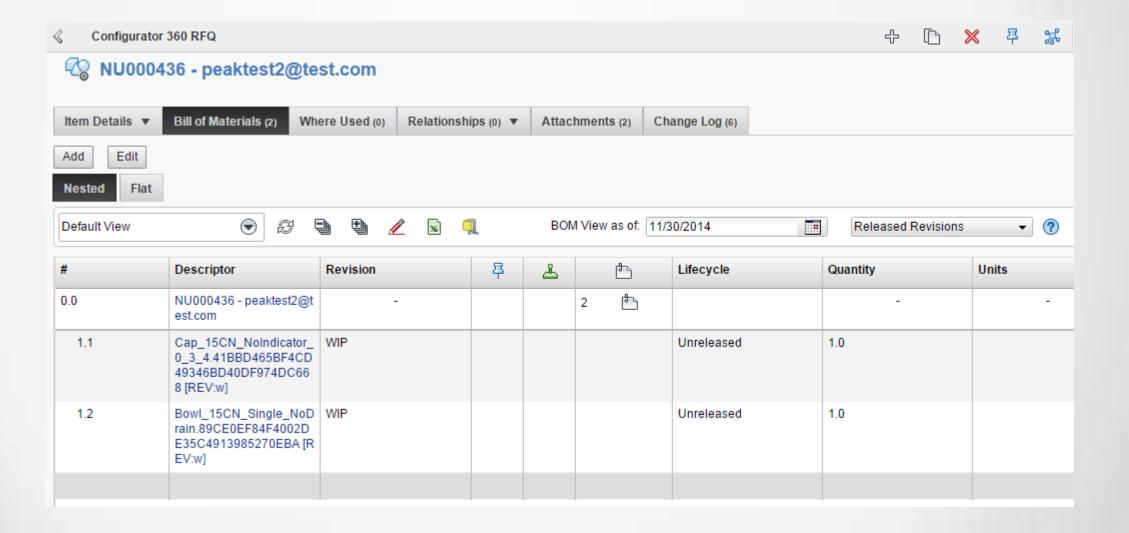






PLM BOM

Attached to RFQ Item





PLM BOM

- Items in a workspace (records in a table)
 - Or multiple workspaces
- Hierarchical relationship between "parent" and "children" items; quantity



PLM BOM – Two Workspaces of Items

Custom

Name	Part Number	Description
Assembly	PN001	Anything

Standard

Name	Part Number	Description
Disc	PN002	Something
Plate	PN003	Another



Integration

- Populates PLM BOM from Inventor BOM
- "Standard" and "Custom" workspaces
- Standard = reusable for other customers
- Custom = unique for this order
- Partitioned by Inventor BOM Structure
 - (normal/inseparable vs. purchased)



Staff/Skills required

Inventor skills (part numbering)





General Configurator 360 admin skills



PLM and other admin skills



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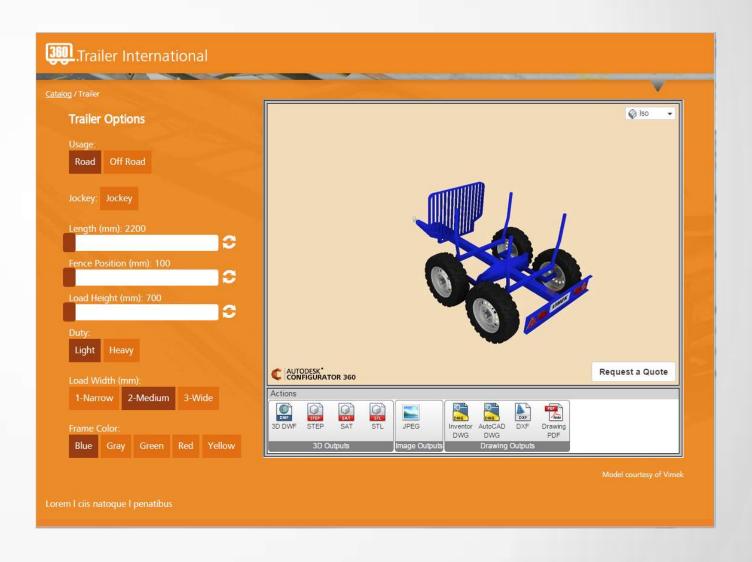
Review: Key learning objectives

- ...website integration capabilities of Configurator 360 service
- ...enhanced business-process capabilities
- integration with Autodesk PLM 360
- ...roles and skill levels integrate Configurator 360



Learning Objective: Website Integration

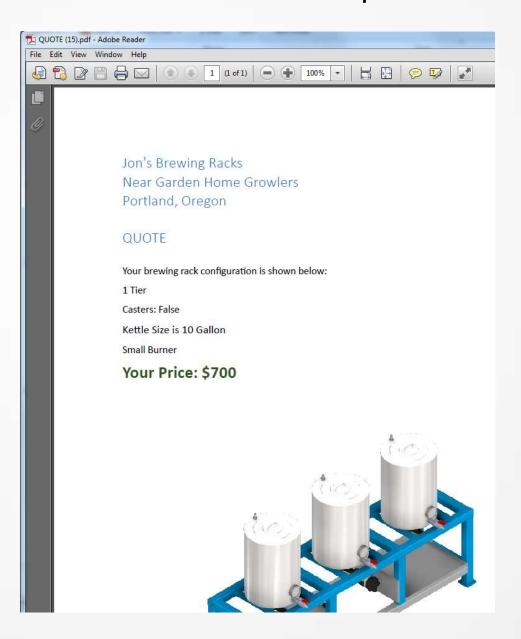
- Custom website is common scenario
- Test environments
- Use Javascript API
- Web programmer





Learning Objective: Business Process Capabilities

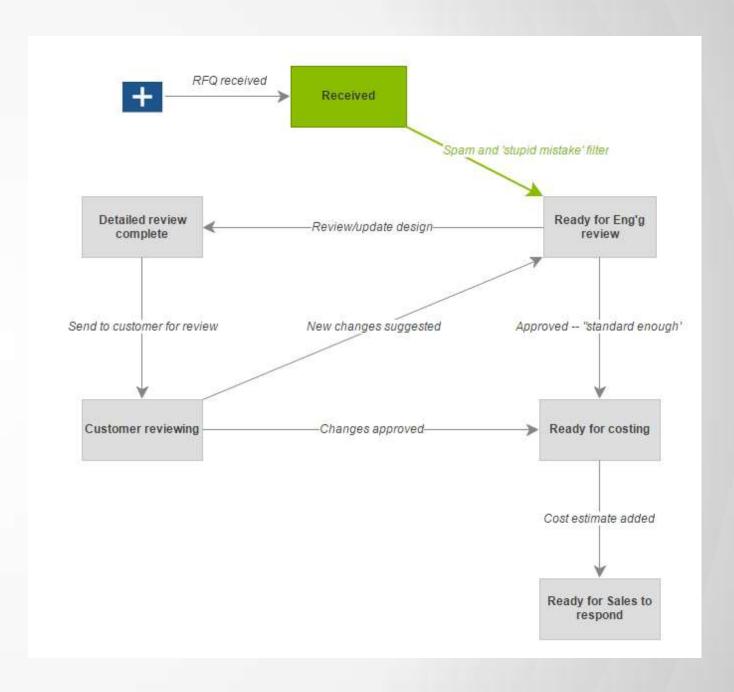
- Custom PDF documents from Word templates
- Other outputs
- "Native" RFQ





Learning Objective: Integration with PLM 360

- Save "RFQ" data
- Optionally save Inventor BOM
- Kick off "workflow"
- Open models from PLM





Learning Objective: Roles and Skill Levels

- Inventor expert for models and rules
- Configurator 360 admin for coordinating
- Web programmer genius/wizard NOT required
- PLM 360 admin similar to a DB admin, NOT a genius/wizard



Session Feedback

Via the Survey Stations, email or mobile device

AU 2015 passes given out each day!

Best to do it right after the session

Instructors see results in real-time



Thank you!



