



产品发布工程师

R2019x

3DEXPERIENCE®

主题

1

概述

2

业务挑战和目标

3

流程和功能

主题

1

概述

2

业务挑战和目标

3

流程和功能

产品发布工程师（XEN）



角色 ID

产品发布工程师（XEN）

前置条件)

CSV

角色描述

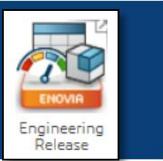
与工程上下游合作，管理产品从早期定义到最终验证的工程定义

关键价值

- 简单高效的工程定义初始化，同时最大化数据重用
- 快速的工程项目责任分配加快了开发过程
- 简洁、高效、直观的用户体验，有效地处理复杂的大型产品
- 跨多个学科的高效和标准化的变更流程，可提高运营效率 (*)

提供的App

ENOVIA Engineering Release

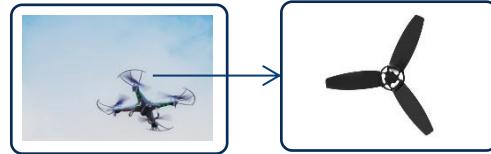


(*) 需要额外的许可证

什么是工程项（Engineering Item）？

▶ 工程项：

- ▶ 对应产品的整体工程（xCAD、软件、文档）定义
- ▶ 通过3DEXPERIENCE平台中的“物理产品”实现，从R2018x开始（即工程项与物理产品是同一对象）



▶ 工程项可以包含以下定义：



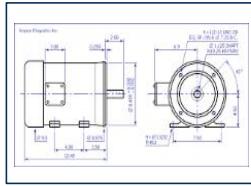
3D 模型

| | |
|----------|-------------------------|
| Type | Physical Product |
| Title | Version2_LoadedCaliper_ |
| Name | prd-95173778-00000087 |
| Revision | B.1 |

工程定义属性



其他工程项的实例



绘图



参考文档（Excel, Word ...）

工程项： 无人机列表



| 无人机VX1 工程定义 | 版本 | |
|---------------------|----|----|
| | V1 | V2 |
| 实例 1 的螺旋桨 CW X10 v1 | x | x |
| 实例 2 推进器 CW X10 v1 | x | x |
| 实例 1 的电机 CW M10 v1 | x | x |
| 实例 2 的电机 CW M10 v1 | x | x |
| 实例 1 的框架 VX1 v1 | x | x |
| 实例 2 的框架 VX1-T1 v1 | x | x |
| 实例1 电源主板 v1 | x | x |
| 实例 1 推进器 CCW X10 v1 | x | x |
| 实例 2 推进器 CCW X10 v1 | x | |
| 实例 2 电机 CCW M10 v1 | | x |
| 实例 3 电机 CCW M10 v1 | x | x |

ENOVIA - Engineering Release - Drone Program VX1

Drone Program VX1 V2

Config. context : None
Responsible : Naim DALAL
Maturity State : In Work

Creation Date : 6/6/2018 6:16:05 PM
Modification Date : 6/7/2018 2:19:46 PM
Part Number : XEN-DroneVX1-001

multi purpose Drone

Sort by: State ▾ Group by: None

12 items

| | |
|--|---|
| DroneSpec.docx 6 DOC-0000002 | Maturity State: IN_WORK Responsible: Marc Olivier MOULET |
| Propeller CW X10 A.1 if Propeller CW X10 | Maturity State: In Work Responsible: Stephane MAITRE |
| Propeller CW X10 A.1 i2 PropellerCW X10 | Maturity State: In Work Responsible: Stephane MAITRE |
| Motor CW M10 A.1 i1 Motor CW M10 | Maturity State: In Work Responsible: Marc Olivier MOULET |
| Motor CW M10 A.1 i2 Motor CW M10 | Maturity State: In Work Responsible: Marc Olivier MOULET |
| FrameVX1 A.1 if FrameVX1 | Maturity State: In Work Responsible: Rodolphe GROULT |
| FrameVX1-T1 A.1 i1 FrameVX1-T1 | Maturity State: In Work Responsible: Rodolphe GROULT |
| PowerDistributionBoard VX1 A if PowerDistributionBoardX | Maturity State: In Work Responsible: Marc Olivier MOULET |
| Propeller CCW X10 A.1 i4 Propeller CCW X10 | Maturity State: In Work Responsible: Marc Olivier MOULET |
| Propeller CCW X10 A.1 i3 Propeller CCW X10 | Maturity State: In Work Responsible: Marc Olivier MOULET |
| Motor CCW M10 A.1 i4 Motor CCW M10 | Maturity State: In Work Responsible: Marc Olivier MOULET |
| Motor CCW M10 A.1 i3 Motor CCW M10 | Maturity State: In Work Responsible: Marc Olivier MOULET |

2 推进器 CW 的实例（顺时针）X10

2 电机 CCW 的实例（逆时针）M10

主题

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概述

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业务挑战和目标

3

流程和功能

业务挑战

► 不断增加的业务、产品和流程复杂性

- ▷ 这会影响运营利润率，并促使公司寻找能够促进创新和提高效率的商业解决方案。这种复杂性也指产品定义中的多学科交互。

► 不断变化的客户需求和产品多样性需要更快的开发速度和业务灵活性

- ▷ 多学科设计团队（机械、电子、软件、流体等）并行工作，每个团队对产品及其结构都有自己的定义
- ▷ 错误、延误和成本增加

► 协调工程信息既耗时又容易出错

- ▷ 产品工程师掌握整体产品定义并确保参与者都有完整的、最新的产品定义视图
- ▷ 产品工程师应：
 - ▶ 使设计和工程结构保持最新
 - ▶ 按正确的领域（设计、工程）维护产品修改所有权

目标

- ▶ 掌握产品的整体（多学科）定义
- ▶ 支持移动设备/友好用户界面访问产品定义
- ▶ 通过直观、快速的评审，提升对设计师可交付成果和变更的决策
- ▶ 最大限度地跨产品系列和版本重用产品定义
- ▶ 使用户能够关注（带或不带配置）的大规模定义中的相关组件

主题

1

概述

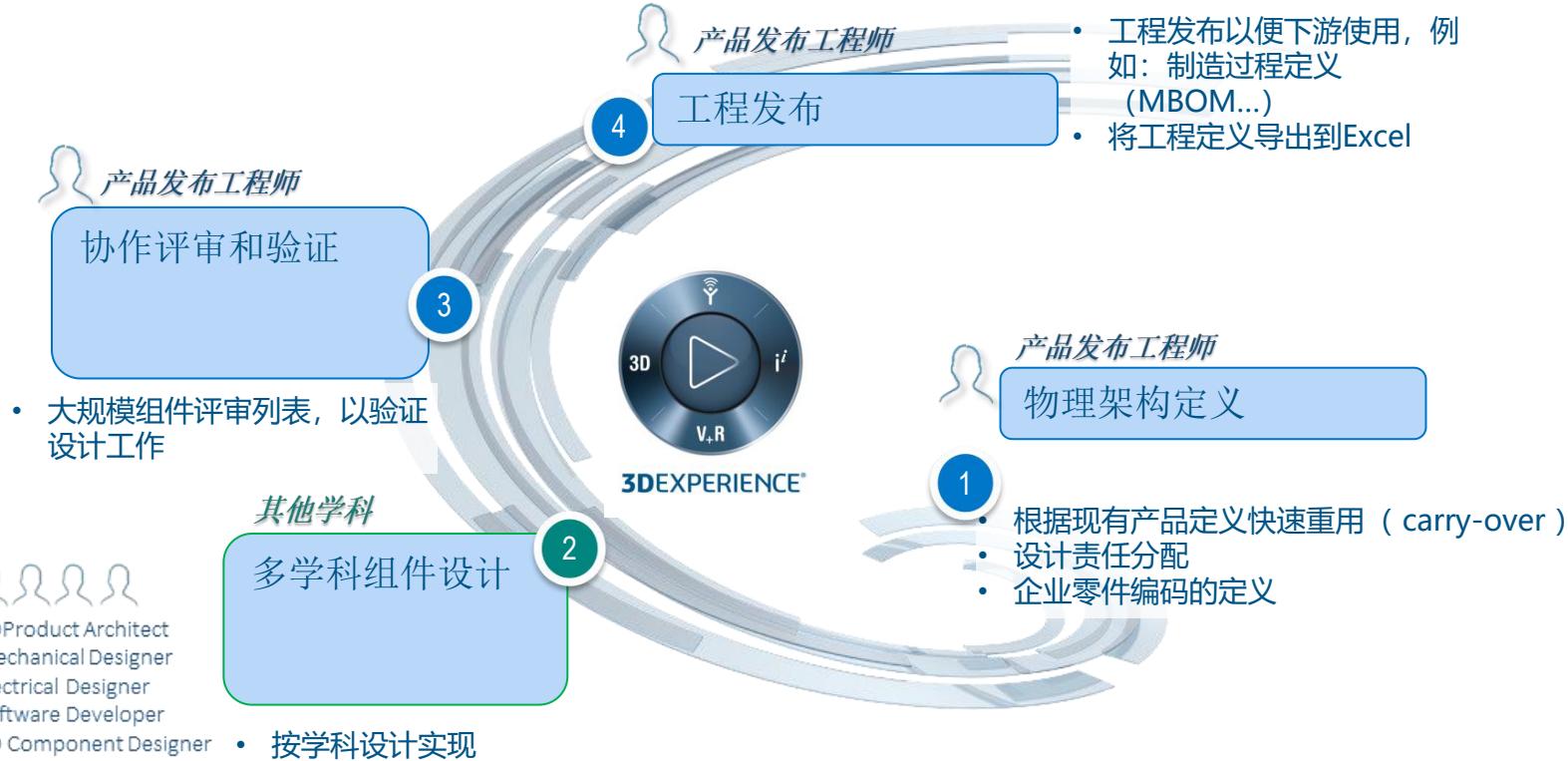
2

业务挑战和目标

3

流程和功能

高阶场景



访问用户的工程项

对用户拥有的工程项的即时访问，可以缩小到感兴趣的项

我的工程项（完整列表）

ENOVIA - Engineering Release

My Engineering Items

Recent engineering items

Create engineering item

6W标签可用于细化"我的工程项"列表

6WTags

- Last Modified By 2
- Organization 1
- Responsible 1
- Creation Date 1
- Modification Date 1
- What 3

| Leisure Market | 3 |
|---------------------|---|
| Professional Market | 2 |
| Racing Market | 2 |

My Engineering Items

Sort By: None

| | |
|---|--|
| Hi speed drone A.1 Naim DALAL prd-96239514-00000041 Hi speed drone | Aerial photo drone A.1 Naim DALAL prd-96239514-00000040 Aerial photo drone |
| Industrial drone VX2 A.1 Naim DALAL prd-96239514-00000039 Industrial drone | Industrial Drone X1 A.1 Naim DALAL prd-96239514-00000032 Field recognition drone |
| Drone Program VN1 A.1 Naim DALAL prd-96239514-00000029 Race Drone | Drone Program VT1 A.1 Naim DALAL prd-96239514-00000017 Long range recognition Drone |
| Drone Program VX1 A.1 Naim DALAL prd-96239514-00000002 multi purpose Drone | |



案例：

"作为一名产品发布工程师，我可以查看我负责的所有无人机产品，以便开始掌握它们的工程定义和发布过程 "

使用高级重用选项进行重用

使用高级重用策略在产品定义（复制）期间进行

The screenshot shows the 'Duplicate' dialog box with the 'Advanced' tab selected. In the 'Select' tab, there is a 'Pattern:' input field with a dropdown menu ('Contains' or 'Does Not Contain') and a 'Type:' dropdown set to 'VPMReference' and '3DShape'. Below these are 'Add to Selection', 'Remove from Selection', and 'Clear Selection' buttons. The 'Title' section lists various components under a tree view: Drone Program VX1, Propeller CW X10, Propeller CW X10, Motor CW M10, Motor CW M10, FrameVX1, FrameVX1-T1, ControlBoardVX1, Propeller CCW X10, Propeller CCW X10, Motor CCW M10, and Motor CCW M10. A callout box contains the text: "案例: '作为一名产品发布工程师, 我可以从公司现有的知识产权开始, 快速创建新产品, 并应用重用策略'" (Case study: As a product launch engineer, I can start from the company's existing intellectual property to quickly create new products and apply reuse strategies). To the right is a table of actions for each item:

| Revision | Action | New Title |
|----------|-----------|-------------------|
| A.1 | Duplicate | Drone Program VX1 |
| A.1 | Duplicate | Propeller CW X10 |
| A.1 | Duplicate | Propeller CW X10 |
| A.1 | Duplicate | Motor CW M10 |
| A.1 | Duplicate | Motor CW M10 |
| A.1 | Duplicate | FrameVX1 |
| A.1 | Duplicate | FrameVX1-T1 |
| A.1 | Duplicate | ControlBoardVX1 |
| A.1 | Duplicate | Propeller CCW X10 |
| A.1 | Duplicate | Propeller CCW X10 |
| A.1 | Duplicate | Motor CCW M10 |
| A.1 | Duplicate | Motor CCW M10 |

A context menu is open on the right, showing options: Duplicate (highlighted in blue), Reuse, and Exclude.

工程项职责的分配

职责分配确保为正确的工程项分配合适的人员

更改所有权

The screenshot shows the 'Change Ownership - 2 Objects' dialog in ENOVIA. It lists two objects: 'Motor CW M10 A.1' and 'Motor CCW M10 A.1'. Under the 'Responsible' column, 'Marc Olivier MOULET' is listed for both. Below the table, there's a 'Target Ownership' section where 'GROULT Rodolphe' is selected in the 'Search Collaborative Space' dropdown. A 'Comment' field is present with placeholder text 'Comment...'. At the bottom are 'Apply' and 'Cancel' buttons.

案例:

“作为一名产品发布工程师，我在产品的各个组件上分配设计职责，根据我的公司战略在内部或外部分担设计职责”

将所有权分配给负责组件设计的用户

The screenshot shows the 'Responsible' tab in the ENOVIA interface. It displays a list of items under 'Last Modified By', 'Organization', and 'Responsible'. The 'Responsible' section is highlighted with a red box and shows three entries: 'Marc Olivier MOULET' (7), 'Rodolphe GROULT' (2), and 'Stephane MAITRE' (2). Below this, a detailed list of components and their responsible parties is shown, such as 'Propeller CW X10 A.1' (Stephane MAITRE), 'Motor CW M10 A.1' (Marc Olivier MOULET), and 'FrameVX1 A.1' (Rodolphe GROULT).

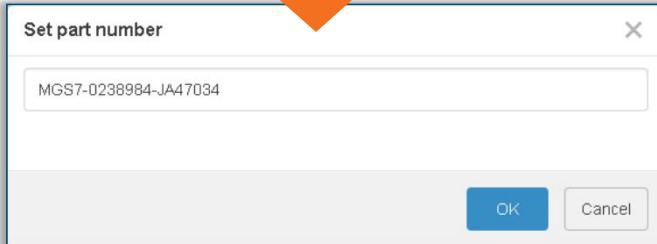
零件编码定义

零件编码通常传递给其他下游应用程序，如MPS，是根据公司标准为工程项定义的。这确保了在流程的早期正确定义



案例:

“作为产品发布工程师，我为轴零件设置了一个企业编号，该编号将用于机器的工程定义中”



智能数据的列表视图

协作评审和验证

3

组件列表
适用于无人机 VX1

按“参考”分组:
显示每个参考的累积数量

按“成熟度”分组

The figure consists of three side-by-side screenshots of the ENOVIA software interface, each illustrating a different grouping method in a list view:

- Left Screenshot:** Titled "Drone Program VX1 A.1". It shows a list of 12 items under "DroneSpec.docx 0". A yellow box highlights the "Group by" dropdown menu, which is set to "None".
- Middle Screenshot:** Titled "Drone Program VX1 A.1". It shows a list of items grouped by reference. A large yellow arrow points from the "Group by" dropdown in the first screenshot to this one. Circles highlight the group headers "1", "2", and "1". A red box highlights the "Group by: Reference" option in the "Group by" dropdown.
- Right Screenshot:** Titled "Drone Program VX1 A.1". It shows a list of items grouped by maturity state. A green box highlights the "Group by: State" option in the "Group by" dropdown. A green arrow points from the "Group by" dropdown in the second screenshot to this one. Circles highlight the group headers "1 IN_WORK", "2 Private", and "4 Released".

案例:
“作为一名产品发布工程师，我在我的产品定义中导航，利用专业视图的优势，以关注我想要查看的数据”

文档创建

- ▶ 可以创建文档并将其添加到工程项以完成其定义

ENOVIA - Engineering Release - Quadcopter Series VX1

Quadcopter Series VX1 A.1 VX1 Program Portfolio State1 - All configurations

Config. context : VX1 Program Portfolio Creation Date : 6/7/2018 5:49:19 PM
 Responsible : Marc Olivier MOULET Modification Date : 6/7/2018 6:21:42 PM
 Maturity State : In Work Part Number : -

multi purpose QuadCopter

16 items

Sort by: Owner Group by: Type

| | | |
|---|---|--|
| <input type="checkbox"/> Motor CCW M10 A.1 Motor CCW M10.1 | Maturity State: In Work Responsible: Marc Olivier MOULET | Creation Date: 6/7/2018 5:49:20 PM Modification Date: 6/7/2018 5:51:15 PM |
| <input type="checkbox"/> Propeller CW TriX10 A.1 Physical Product00000054.1 | Maturity State: In Work Responsible: Marc Olivier MOULET | Creation Date: 6/7/2018 6:05:07 PM Modification Date: 6/7/2018 6:05:07 PM |
| <input type="checkbox"/> Propeller CW TriX10 A.1 Propeller CW TriX10.1 | Maturity State: In Work Responsible: Marc Olivier MOULET | Creation Date: 6/7/2018 6:05:07 PM Modification Date: 6/7/2018 6:05:07 PM |
| <input type="checkbox"/> Propeller CCW TriX10 A.1 Physical Product00000055.1 | Maturity State: In Work Responsible: Marc Olivier MOULET | Creation Date: 6/7/2018 6:10:51 PM Modification Date: 6/7/2018 6:10:5 |
| <input type="checkbox"/> Propeller CCW TriX10 A.1 Propeller CCW TriX10.1 | Maturity State: In Work Responsible: Marc Olivier MOULET | Creation Date: 6/7/2018 6:10:51 PM Modification Date: 6/7/2018 6:10:5 |

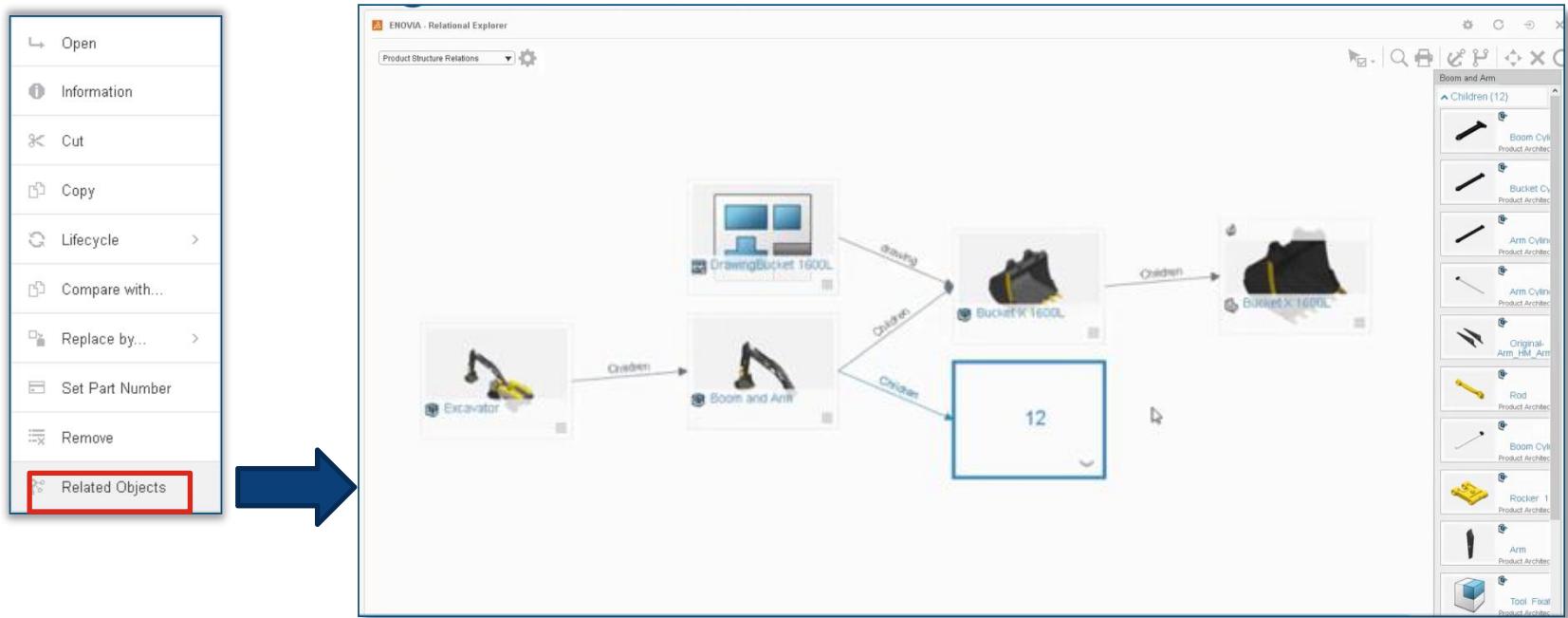
1 Document

| | | |
|---|---|--|
| <input checked="" type="checkbox"/> QuadSpecs.docx 0 DOC-0000001 | Maturity State: IN_WORK Responsible: Marc Olivier MOULET | Creation Date: 6/7/2018 6:37:16 PM Modification Date: 6/7/2018 6:37:1 |
|---|---|--|

Download Information Remove Delete Document

显示相关对象

- 关系资源管理器允许在产品结构链接（从子级到父级）和分类链接（从分类对象到文件夹，从子文件夹到父文件夹）上导航



工程项目的批量编辑与生命周期 (1/2)

批量编辑

多选工程项目

Engineering Item00 A.1 Model01 A - All configurations

7 items

Sort by: State Group by: None

- Standard A.1 Physical Product000000018.1
- Blue A.1 Physical Product00000019.1
- Blue Left A.1 Physical Product00000020.1
- Red A.1 Physical Product00000021.1
- Red Right A.1 Physical Product00000022.1
- Blue Right A.1 Physical Product00000064.1
- Physical Product00000065 A.1 Physical Product00000065.1

3 objects selected

(multiple) Standard, Blue Left, Blue

Properties

Type Physical Product

Title *



No changes

Name (multiple) prd-11419382-00000018, prd-11419382-00000020, prd-11419382-00000019

Revision A.1

Revision Comment

Enter a value

Description

Enter a value

Creation Date (multiple) 5/18/2018, 12:00:01 PM, 5/18/2018, 12:00:43 PM, 5/18/2018, 12:00:24 PM

Created From

Scale Normal Range

Collaborative Policy Engineering Definition

4

工程发布

多选编辑

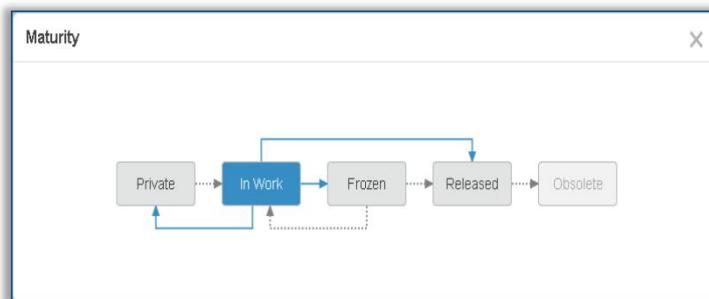
工程项目的批量编辑与生命周期 (2/2)

4

工程发布

生命周期

成熟度变化



版本查看器

The screenshot shows the 'Version Explorer' window with the 'Official View' selected. The table lists five revisions of the part 'Motor CW M10' along with their details:

| Graph | Title | Created | Revision | Maturity | Description |
|-------|----------------|----------------------------|----------|----------|-------------|
| ■ | E Motor CW M10 | Fri Jun 22 2018 14:35:3... | E.1 | IN_WORK | |
| ■ | E Motor CW M10 | Fri Jun 22 2018 14:35:2... | D.1 | FROZEN | |
| ■ | E Motor CW M10 | Fri Jun 22 2018 14:35:2... | C.1 | RELEASED | |
| ■ | E Motor CW M10 | Fri Jun 22 2018 14:35:1... | B.1 | FROZEN | |
| ■ | Motor CW M10 | Wed Jun 06 2018 18:35:... | A.1 | RELEASED | |

将工程定义导出到 Excel 文件

轻量级导出，可用于内部或外部重用或其他组织的

| A | B | C | D | E | F | G | H | I | J | K |
|-------|--|--|---------|------------------|----------------|-------------------|-----------------|-----------------|-------------------|-------------|
| Level | Title | Instance Name | Version | Type | Maturity State | Responsible | Is Last Version | Creation Date | Modification Date | Description |
| 0 | Dup_Front Suspension Module Sport | | A.1 | Physical Product | In Work | Release Engineer | TRUE | 5/23/2018 12:28 | 5/23/2018 13:01 | |
| 1 | Version2_LoadedCaliper_FrLe_SP | LoadedCaliper_FrLe_SP.1 | B.1 | Physical Product | Released | Design Engineer02 | TRUE | 5/23/2018 12:47 | 5/28/2018 14:57 | |
| 1 | LoadedCaliper_FrRI_SP | LoadedCaliper_FrRI_SP.1 | A.1 | Physical Product | Released | Release Engineer | TRUE | 5/23/2018 6:17 | 5/23/2018 11:39 | |
| 1 | BrakeDisk_FrRI_SP | BrakeDisk_FrRI_SP.1 | A.1 | Physical Product | In Work | Release Engineer | TRUE | 5/23/2018 6:17 | 5/23/2018 8:57 | |
| 1 | BrakeDisk_FrLe_SP | BrakeDisk_FrLe_SP.1 | A.1 | Physical Product | In Work | Release Engineer | TRUE | 5/23/2018 6:17 | 5/23/2018 8:57 | |
| 1 | Dup_AntiRollBarConnectingRod_Left | Phys_AntiRollBarConnectingRod_LeA.1.1 | A.1 | Physical Product | In Work | Release Engineer | TRUE | 5/23/2018 12:28 | 5/23/2018 12:31 | |
| 1 | Dup_AntiRollBarConnectingRod_Right | Phys_AntiRollBarConnectingRod_RIA.1.1 | A.1 | Physical Product | In Work | Release Engineer | TRUE | 5/23/2018 12:28 | 5/23/2018 12:31 | |
| 1 | Dup_LowSuspArm_Ri | LowSuspArm_Ri.1 | A.1 | Physical Product | In Work | Release Engineer | TRUE | 5/23/2018 12:28 | 5/23/2018 12:31 | |
| 0 | Dup_Arm_Joint_Suspension_Ri | Arm_Joint_Suspension_Ri.1 | A.1 | Physical Product | In Work | Release Engineer | TRUE | 5/23/2018 12:28 | 5/23/2018 12:31 | |
| 1 | Dup_LowSuspArm_Le | LowSuspArm_Le.1 | A.1 | Physical Product | In Work | Release Engineer | TRUE | 5/23/2018 12:28 | 5/23/2018 12:31 | |
| 2 | Dup_Arm_Joint_Suspension_Left | Phys_Arm_Joint_Suspension_LeA.1.1 | A.1 | Physical Product | In Work | Release Engineer | TRUE | 5/23/2018 12:28 | 5/23/2018 12:31 | |
| 3 | Dup_FrontSubFrame_Std | FrontSubFrame_Std.1 | A.1 | Physical Product | In Work | Release Engineer | TRUE | 5/23/2018 12:28 | 5/23/2018 12:31 | |
| 4 | Dup_NewFrontSubModule-Chassis InterfaceA.1 | NewFrontSubModule-Chassis InterfaceA.1.1 | A.1 | Physical Product | In Work | Release Engineer | TRUE | 5/23/2018 12:28 | 5/23/2018 12:31 | |
| 5 | Dup_Knuckle_Pivot_Right | _MG57_Knuckle Pivot RightA.1.1 | A.1 | Physical Product | In Work | Release Engineer | TRUE | 5/23/2018 12:28 | 5/23/2018 12:31 | |
| 6 | Dup_Wheel_Hub_Ri_5x120 | Wheel_Hub_Ri_5x120_Ri_5Bolts1 | A.1 | Physical Product | In Work | Release Engineer | TRUE | 5/23/2018 12:28 | 5/23/2018 12:31 | |
| 7 | Dup_CarrierKnuckle_BearingWheel | CarrierKnuckle_BearingWheel Left Std | A.1 | Physical Product | In Work | Release Engineer | TRUE | 5/23/2018 12:28 | 5/23/2018 12:31 | |
| 8 | Dup_Knuckle_Pivot_Left | _MG57_Knuckle Pivot LeftA.1.1 | A.1 | Physical Product | In Work | Release Engineer | TRUE | 5/23/2018 12:28 | 5/23/2018 12:31 | |
| 9 | Wheel_Hub_Le_5x120 | _MG57_Wheel Hub 5 x 120A.1.1 | A.1 | Physical Product | In Work | Release Engineer | TRUE | 5/23/2018 12:28 | 5/23/2018 12:31 | |
| 10 | Dup_Part_Strut_01_FrontLeft | Part_Strut_01_FrontLeft.1 | A.1 | Physical Product | In Work | Release Engineer | TRUE | 5/23/2018 12:28 | 5/23/2018 12:31 | |
| 11 | Dup_Part_Strut_01_FrontRight | Part_Strut_01_FrontRight.1 | A.1 | Physical Product | In Work | Release Engineer | TRUE | 5/23/2018 12:28 | 5/23/2018 12:31 | |
| 12 | Dup_CarrierKnuckle_BearingWheel | CarrierKnuckle_BearingWheel Right Std | A.1 | Physical Product | In Work | Release Engineer | TRUE | 5/23/2018 12:28 | 5/23/2018 12:31 | |
| 13 | Version2_Anti roll bar E70A.1A.1 | Anti roll bar E70A.1A.1 | B.1 | Physical Product | Released | Design Engineer01 | TRUE | 5/23/2018 12:46 | 5/28/2018 14:57 | |
| 14 | Caliper Support | Physical Product00000242.1 | A.1 | Physical Product | In Work | Release Engineer | TRUE | 5/23/2018 12:43 | 5/23/2018 12:44 | |

配置管理 (*)

精益配置模型能够有效地跟踪跨越产品演化和管理多维度的产品工程定义

▷ 基于模型版本和产品配置过滤工程定义

The image shows two side-by-side screenshots of the ENOVIA software interface, both titled "ENOVIA - Engineering Release - Quadcopter Series VX1".

Screenshot 1: Race VX1 Configuration

- Title Bar:** ENOVIA - Engineering Release - Quadcopter Series VX1
- Header:** Quadcopter Series VX1 A.1 | **VX1 Program Portfolio State1 - Race VX1**
- Information:** Config. context : VX1 Program Portfolio, Responsible : Marc Olivier MOULET, Maturity State : In Work.
- List:** 11 items
 - QuadSpecs.docx 0 (DOC-0000001)
 - Propeller CW X10 A.1 (Propeller CCW X10.1)
 - Propeller CW X10 A.1 (PropellerX10.3)
 - Motor CW M10 A.1 (Motor CW M10.4)
 - Motor CW M10 A.1 (MotorM10.2)
 - FrameVX1-T1 A.1 (Physical Product0000006.1)
 - ControlBoardVX1 A.1 (Physical Product00000007.1)
 - Propeller CCW X10 A.1 (Physical Product00000042.1)
 - Propeller CCW X10 A.1 (Propeller CCW X10.1)
 - Motor CCW M10 A.1 (MotorProduct00000043.1)
 - Motor CCW M10 A.1 (Motor CCW M10.1)
- Image:** A thumbnail image of a propeller labeled "Propeller CCW X10 A.1".
- Bottom:** Buttons for Sort by State, Group by None, and other navigation.

Screenshot 2: All Purpose X1 Configuration

- Title Bar:** ENOVIA - Engineering Release - Quadcopter Series VX1
- Header:** Quadcopter Series VX1 A.1 | **VX1 Program Portfolio State1 - All Purpose X1**
- Information:** Config. context : VX1 Program Portfolio, Responsible : Marc Olivier MOULET, Maturity State : In Work.
- List:** 11 items
 - QuadSpecs.docx 0 (DOC-0000001)
 - Motor CW M10 A.1 (Motor CW M10.4)
 - Motor CW M10 A.1 (MotorM10.2)
 - FrameVX1 A.1 (Physical Product0000005.1)** (highlighted)
 - ControlBoardVX1 A.1 (Physical Product00000007.1)
 - Motor CCW M10 A.1 (Physical Product00000043.1)
 - Motor CCW M10 A.1 (Motor CCW M10.1)
 - Propeller CW TriX10 A.1 (Physical Product00000054.1)** (highlighted)
 - Propeller CW TriX10 A.1 (Propeller CW TriX10.1)** (highlighted)
 - Propeller CCW TriX10 A.1 (Physical Product00000055.1)** (highlighted)
 - Propeller CCW TriX10 A.1 (Propeller CCW TriX10.1)** (highlighted)
- Image:** A thumbnail image of a propeller labeled "Propeller CW TriX10 A.1".
- Bottom:** Buttons for Sort by State, Group by None, and other navigation.

案例:

“作为一名产品工程师，我审查了与以下相关的工程内容：

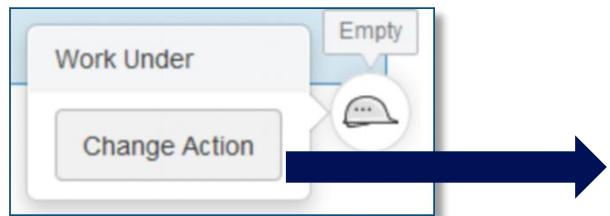
产品配置“Race VX1”

或者：

产品配置“通用X1”

在CA下的操作 (*)

正式变更/发布流程，以跟踪修改和成熟度更改



The main window shows an 'Engineering Release - Drone Program VX1' with 12 items listed. The items include various components like 'Drone Spec.docx', 'Propeller CW X10 A.1', and 'Motor CW M10 A.1'. A 'Select Change Action' dialog box is overlaid, listing three specific actions:

- NJL002 ca-96239514-00000003 Owner: nj Role: Owner,Assignee,Reviewer Due Date:
- Release Engineering items ca-96239514-00000004 Owner: nj Role: Owner Due Date:
- Release Process ca-96239514-00000005 Owner: nj Role: Owner Due Date:

At the bottom of the dialog are 'OK' and 'Cancel' buttons.

案例：

“作为一名产品发布工程师，我希望对工程定义的修改和发布管理的正式签核过程进行全面的追溯”

