



# Launchpad SOP

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Team - Global Agriculture

# Launchpad: Introduction

- Our new product development process must become more **disciplined**, specifically focused, and rapidly paced to support aggressive growth objectives for our agriculture business.
- Organizationally, we have realigned our teams to meet this objective, but must now define and commit to a formal process weighted toward **end-user R.O.I.** to maximize success and meet profitability goals.

# Launchpad Objectives – Product Excellence & Commercialization



***Deliver Results!***

# What is “Launchpad?”

- **Valley Launchpad** is the name for our standardized **New Product Development (NPD) process**, which will provide consistency and maximized efficiency across all new product development efforts.
- This document serves as a reference for engineers and product managers involved in our NPD process, as well as to **convey roles and responsibilities** to senior management.
- Launchpad will **encompass qualifying projects**, defining who is involved in the process, meeting frequency, procedural checkpoints, funds allocation, product launch, and after-action discussions geared toward continuous improvement.

# Launchpad Tracking: Monday.com



### Launchpad: Submission Form

Name

Status

Select your answer

GATE

Select your answer

Submit

Launchpad

Main Tab... | Kanban | Submission Form | Blank view | Gantt | Monday Gantt | +

New Item | Search | Person | Filter | Sort | Hide | Group by

#### Active Projects

Item	Status	Project	Current GATE	Product Category	Score	Date	Region	link to Produ...	Dropdown
> 5" Global Machine (te... 2	In Progress	5" Machine	3 Develop	C) Next Generation	0	Jul 13	US Global	-	GROW
> Jaime's Monday Inte... 14	In Progress	Monday IntL...	3 Develop	B) New to Valmont	25	Jun 1 Sep 30	NA	Incoming form ...	Aligns with comp...
					25 sum		US 2		Aligns with...

#### GATE 1: Opportunity Assessment

Item	Status	Project	Current GATE	Product Category	Score	Date	Region	link to Produ...	Dropdown
> 5" Global Machine 1		5" Machine							
					0 sum				

#### GATE 2: Business Plan (Agree to Project Targets)

Item	Status	Project	Current GATE	Product Category	Score	Date	Region	link to Produ...	Dropdown
					0 sum				

- With the commencement of our Launchpad process, we've started using [Monday.com](https://monday.com) to help standardize our process and provide broad visibility

# Who Uses Launchpad?

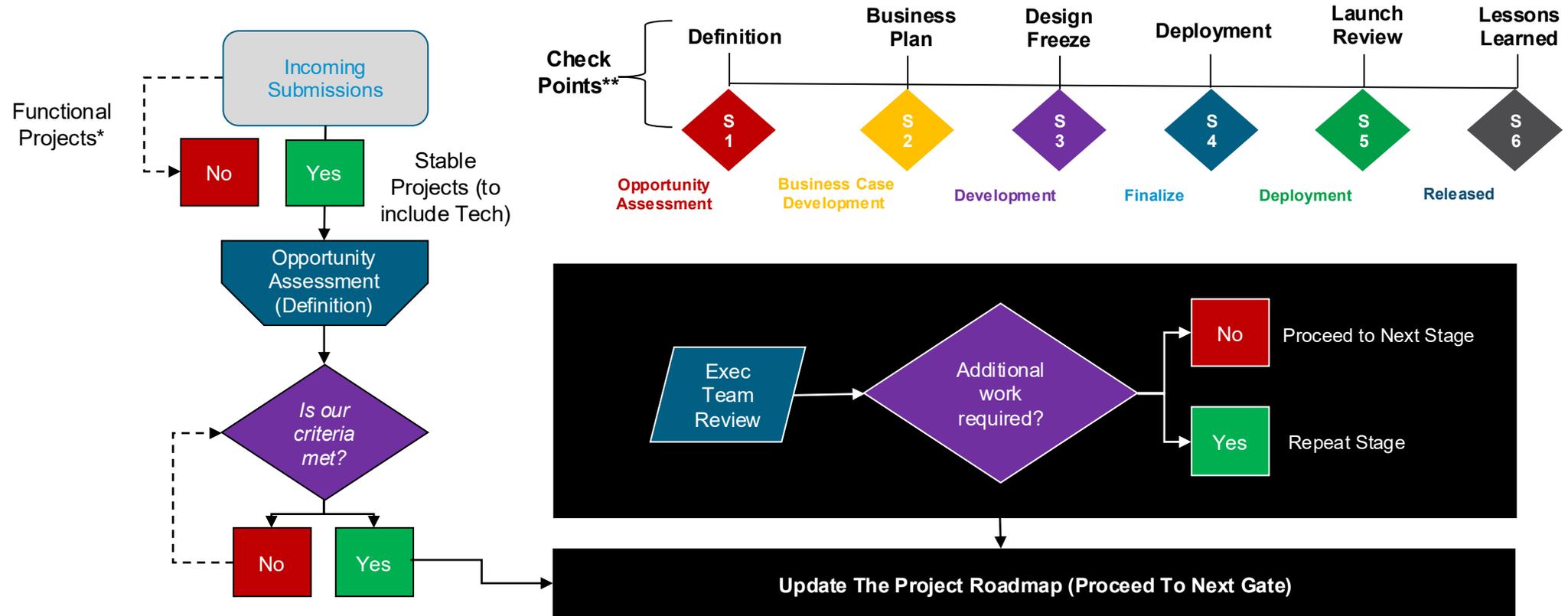
- Valley "**Stable Team**" Projects = *Yes!*
  - **DO** utilize the Launchpad Process
  - Tracked as a new product
- **Ag Tech** Projects = *Yes!*
  - **DO** utilize the Launchpad process
  - Includes standalone irrigation technology products
- "**Functional Team**" Projects = *No!*
  - **DO NOT** utilize the Launchpad process
  - PR gets submitted to Windchill
  - Supports/Improves our existing product line

# ***When Should I Present In Launchpad?***

1. Your team is preparing to enter the next stage gate (business case, product launch, etc.)
2. Your team is preparing to spend \$ (tooling, prototypes, whatever).
3. Your team needs an answer from senior leadership to address a project impediment.
4. The Executive Staff requests an update on your project.

**Any Activity Outside Of These Categories Likely Doesn't Need To Be On The Launchpad Agenda.**

# Launchpad Flowchart



\*There may be exceptions for larger Functional Team projects which require Launchpad.

\*\*Teams may elect to skip stages with managerial approval depending upon the project.

# Valley Launchpad: Project Stages



## STAGE 1: Definition (*Commit Resources*)

- Seek Approval For Engineering Resources
- Categorize Product Quadrant
- PPT Presentation



## STAGE 2: Business Plan (*Agree to Project Targets*)

- Determine Key Features
- Calculate Target Cost
- Establish Target Launch Date
- Present Voice-of-customer Feedback
- PPT Presentation



## STAGE 3: Develop (*Commit Capital Tooling*)

- Approve Final Design And Marketing Proposal
- AR Draft Must Be Submitted In Advance Of This Discussion
- PPT Presentation



## STAGE 4: Deploy (*Start Launch Quantity Build*)

- Approve Pricing & Forecast
- Review Launch Plan
- Review Marketing Plan
- PPT Presentation



## STAGE 5: Launch Review (*Final Approval*)

- Confirm Launch Inventory And Marketing Materials
- Sales/Service Training Complete
- PPT Presentation

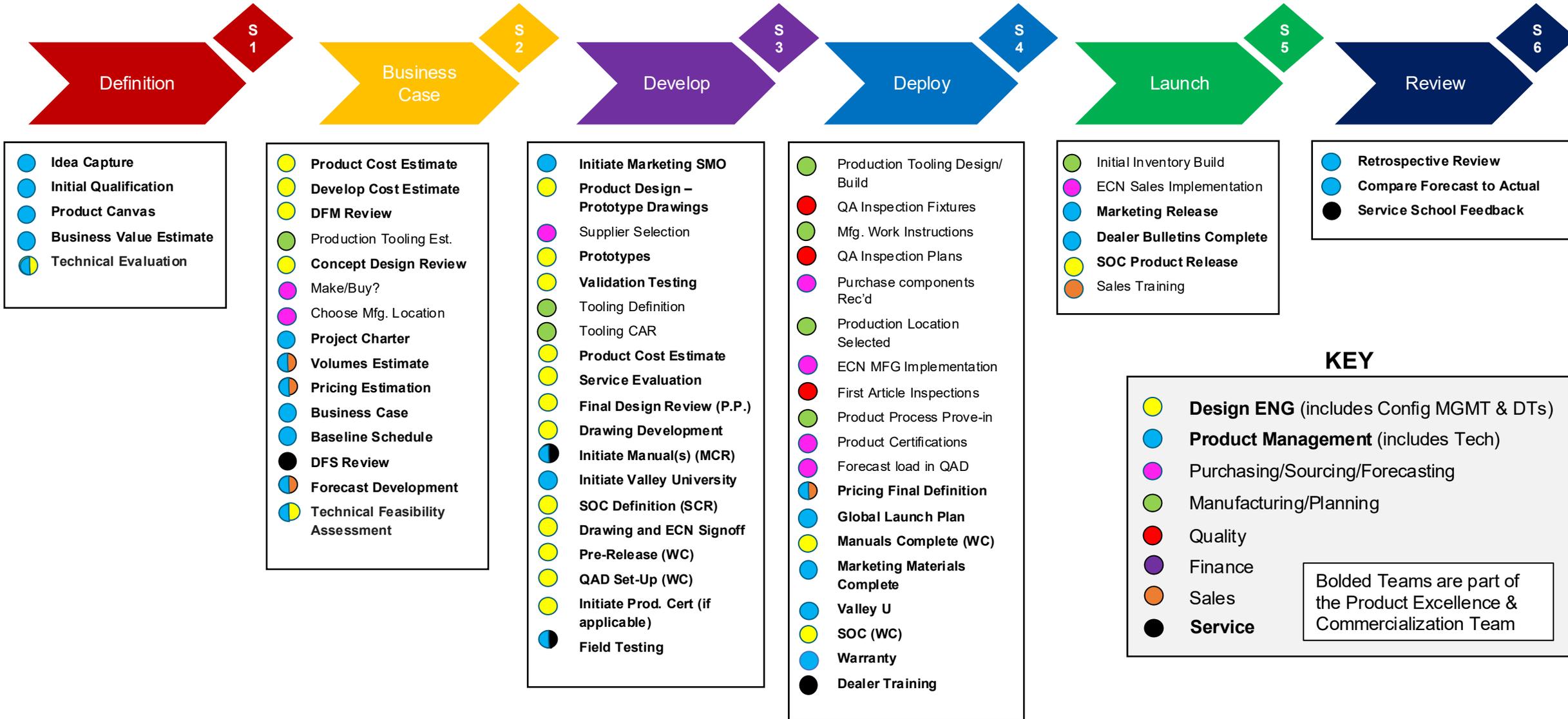


## STAGE 6: Lessons Learned (*Discuss Results*)

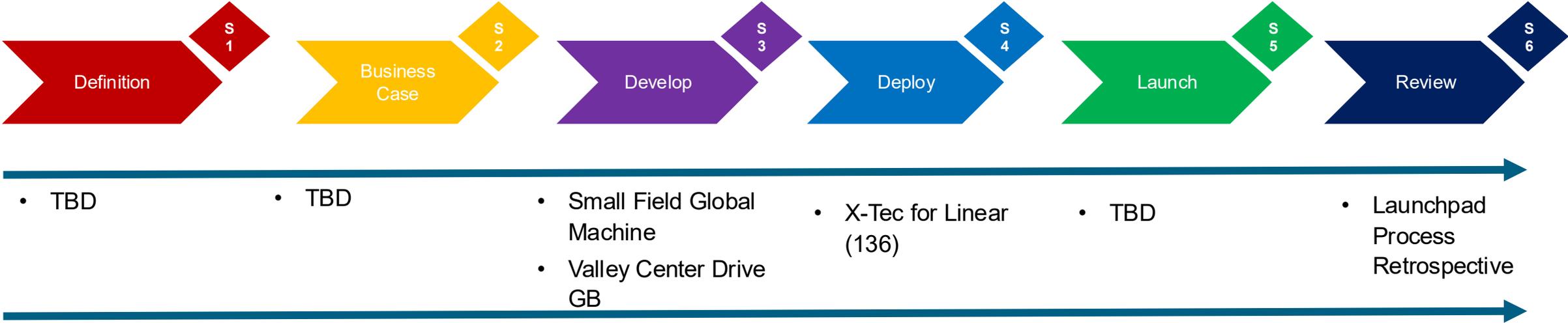
- Review Sales Data, Customer Feedback, And Operations Issues
- Suggest Changes To NPD Process
- PPT Presentation



# Valley Launchpad



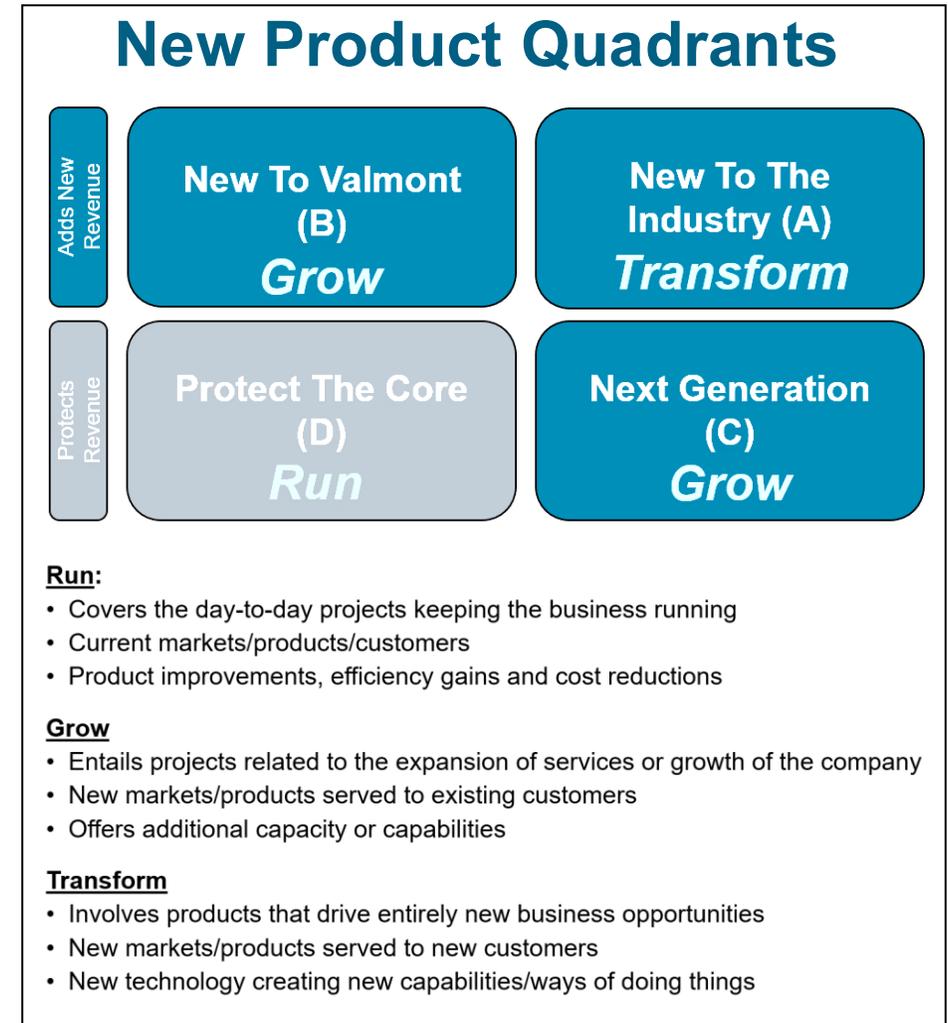
# Valley Launchpad



EXAMPLE

# Definition (Opportunity Assessment)

- During the **Definition (Opportunity Assessment)** phase of Launchpad, the submitter will answer the question:
  - *What is this idea and why is it important to Valmont?*
- In this stage, the Product Quadrant is also selected (see inset table).
- Finally, the project's strategic objective must be addressed, along with questions that will result in an opportunity score. This score determines whether the product/project should proceed through the Launchpad funnel.



# Project Scoring

• **Development Effort (DE)** measures the manpower or relative resources required to develop a specific solution.

- 5 = X-Small
- 4 = Small
- 3 = Medium
- 2 = Large
- 1 = X-Large

• **Business Value (BV)** is a measure of expected incremental revenue for the new product in question or for the ancillary sales created by the new product. Consists of **annual** bottom-line (incremental) sales.

- 5 = \$5M+
- 4 = \$2.5M - \$5M
- 3 = \$1M - \$2.5M
- 2 = \$500K - \$1M
- 1 = 0 - \$500K

• **Grower ROI (GR)** is the weighted financial measure depicting how much profit a grower stands to make by implementing the solution.

- 5 = 1 Year or \$1,000,000
- 4 = 2.5 Year or \$750,000
- 3 = 5 Year or \$500,000
- 2 = 7.5 Year or \$250,000
- 1 = 10 Year or \$100,000
- 0 = 15+ Years < \$100,000

▼ Opportunity Assessment (Definition)

<input type="checkbox"/>	Item	Strategic Objectives	Score
<input type="checkbox"/>	Single Pivot Point	🗨️	17.5
<input type="checkbox"/>	Improved Poly Machine	⊕	12.5
<input type="checkbox"/>	New and Improved Global Span Struct...	⊕	14
<input type="checkbox"/>	Improved Valley WGB	⊕	11.5
<input type="checkbox"/>	Valley Global Corner Structure	⊕	9.5
<input type="checkbox"/>	68 RPM Constant Move at all speeds	⊕	15

Scores are calculated when entered on the Monday.com project board!

$$\text{Score} = (\text{DE Score}) + (1.5 * \text{BV Score}) + (2 * \text{ROI Score})$$

**A Minimum Score of 13 is Required To Move Forward**

# STAGE 1: Definition

S1

- The ideation and validation stage begins the new product development process.
- In this stage, teams present product ideas to stakeholders, keeping in mind that a new product idea (or ideas to improve an existing product) can come from anywhere, including dealers, end users, and employees.
  - Stage 1 should always be based on profitability goals and the Voice-of-the-Grower/Dealer (VOG/VOD) so that only the best ideas advance.
  - Launchpad will effectively prioritize our best ideas (versus “*pet projects*”) so that innovation can flourish, and technology leadership is maintained.

# STAGE 2: Business Plan

S2

Outline key deliverables and KPIs

- Choose the right people and teams
- Understand the competitive timeline
- Explore cost targets and BOM
- Offer foresight into product positioning, and the what-if scenarios
- Present Voice-of-Customer feedback

# STAGE 3: Design Freeze

S3

This stage finalizes the overall product need using VOC feedback

- Consideration for the marketing plan
- Accounts Receivable objectives
- Discuss prototyping results
- Suppliers, lead times and manufacturing plans are also discussed
- Field Testing begins

Development		
<input type="checkbox"/>	Item	What is this idea and why is it important to...
<input type="checkbox"/>	Floating Pump Skid Standard Design	<input type="checkbox"/> Develop a Valley standard floating pump skid t...
<input type="checkbox"/>	New Valley Centerdrive	<input type="checkbox"/> Develop a Valley designed and proprietary gea...
<input type="checkbox"/>	X-TEC 68	<input type="checkbox"/> Tower box with dedicated inverter with insulati...
<input type="checkbox"/>	600V inverter	<input type="checkbox"/> To create an option to protect the pivot for cri...
<input type="checkbox"/>	New WEG Capacitor Bank	<input type="checkbox"/> Implementation of multimeter for power facto...
<input type="checkbox"/>	Motor X-Tec 3hp Weg	<input type="checkbox"/> Currently there are Baldor motor + Omni gearb...
<input type="checkbox"/>	Global Small Field Machine	<input type="checkbox"/> Valley is currently not competitive in the short...
<input type="checkbox"/>	10" 8120 Design	<input type="checkbox"/> Business Need to develop 10" 8120 span so th...

# STAGE 4: Deployment

S4

Product ECN is issued

- *What does the most effective launch timeline look like?*
- *How will success be measured?*
- *How will this product be positioned against similar products in the market?*
- *What roadblocks could delay the launch?*

# STAGE 5: Launch Review



S5

Customer Service training should be completed

- *Is Tech Service prepared?*
- *Are patent applications filed?*
- *Is the sales team trained?*
- *Are we ready to take orders?*

# STAGE 6: Lessons Learned

S6

Continuous improvement is a vital phase of any product development cycle. It is essential to:

- Identify the effects change has on a product
- Pinpoint areas in the product development cycle that can improve product quality and longevity
- Discuss which areas of the product development cycle can be optimized or improved

# Executive Agenda

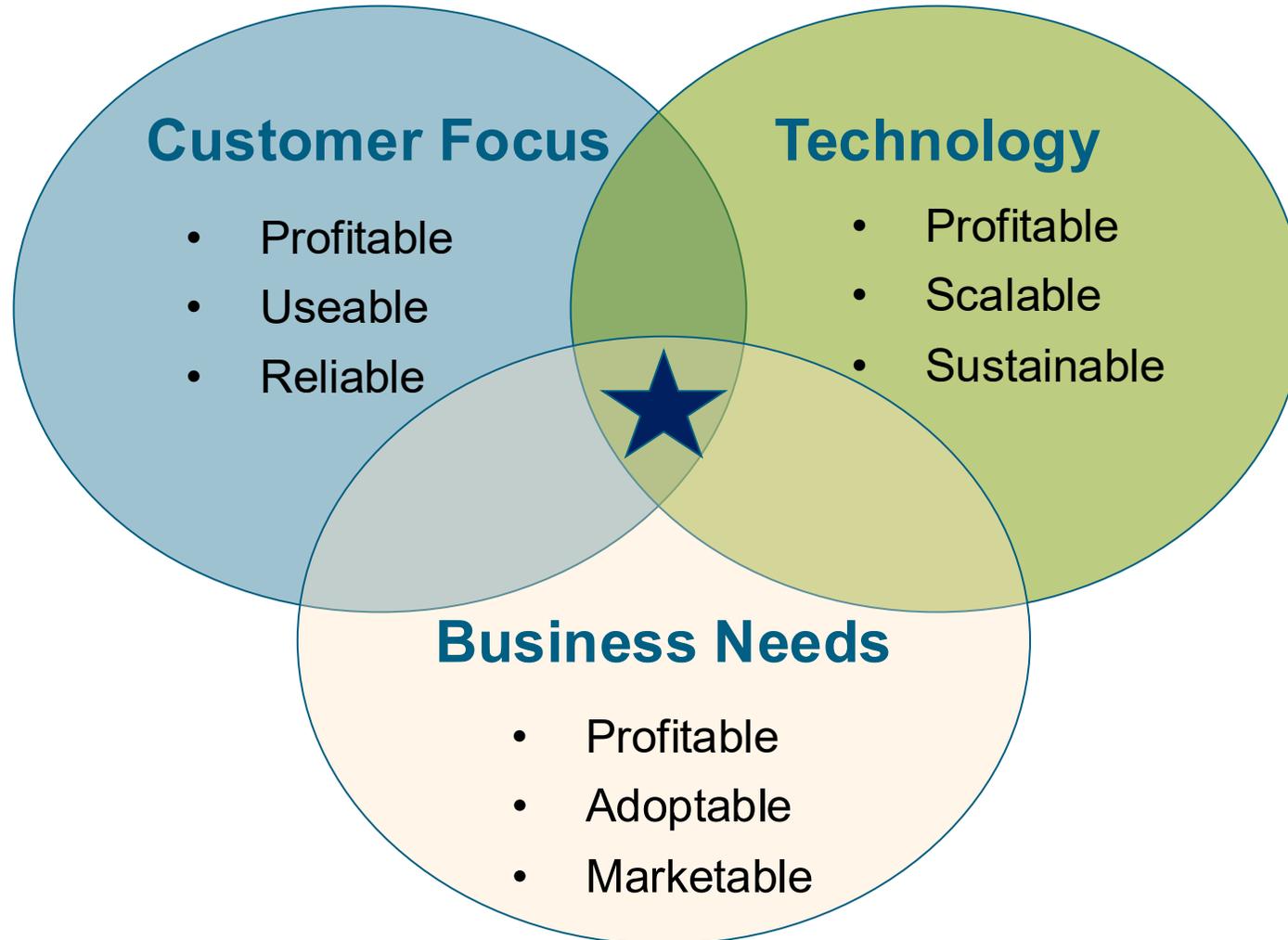
- Roadmap Review
  - Highlight changes
  - Provide Project Updates
- Business Case Approvals
- Design Freeze Approvals
- Launch Approvals
- Project Reviews
  - (Last 3 years)

PRODUCT EVOLUTION MEETING							
Today's Date:		1/30/2023					
STAGE GATE	PROJECT NAME	QUADRANT	PROJECT ID	PROJECT LEADER	TIME		
GATE 1 : PROJECT CHARTER <i>(10 Minutes Per)</i>	New Model Smart Pivot	C	30001	A. Caughey	9:00 AM	9:10 AM	
	Enhanced Machine Diagnostics	C	30002	T. Long	9:11 AM	9:21 AM	
GATE 2 : BUSINESS PLAN <i>(20 Minutes Per)</i>	Adv. GPS Alignment	C	30003	D. Roberts	9:22 AM	9:44 AM	
	Pivot Sensor Dynamic VRI Rx	B	30005	A. Caughey	9:45 AM	10:05 AM	
	Hummingbird Toolbar	B	30006	A. Caughey	10:06 AM	10:26 AM	
GATE 3 : DESIGN FREEZE / AR <i>(15 Minutes Per)</i>	New Model Linear	C	30008	T. Fields	10:27 AM	11:42 AM	
	ICON for Linear	B	30009	T. Long	11:43 AM	11:58 AM	
<b>LUNCH BREAK</b>					12:00 PM	1:00 PM	
GATE 4 : LAUNCH <i>(30 Minutes Per)</i>	Smart Pivot Functional	C	30011	J. Gerdes	1:01 PM	1:31 PM	
	Constant Move	B	30012	D. Roberts	1:32 PM	2:02 PM	
GATE 5 : FINAL APPROVAL <i>(15 Minutes Per)</i>	Complete Corner VRI	A	30014	T. Long	2:03 PM	2:18 PM	
	Valley 365 2.0	C	30015	A. Caughey	2:19 PM	2:34 PM	
GATE 6 : LESSONS LEARNED <i>(10 Minutes Per)</i>	Complete Corner Constant Flow	A	30017	J. Gerdes	2:35 PM	2:45 PM	
<b>END OF SESSION</b>							

Agenda submissions are due one week in advance of the meeting. The schedule will be maintained and organized by the Scrum Master.

**Meeting Cadence: TBD (Agenda Owned By Project Management)**

# Achieving Business Goals



THANK YOU