SMARTLAB: LAB EQUIPMENT PLANNER 2.0

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LAB EQUIPMENT PLANNER 2.0

Motivation

Enable Transparency in Information flow between different stake holders

UI enhancement with customizable view for users

Efficiently manage and plan VKM Lab investments.

Database based tool design prevent data / files from being corrupted.

Existing VKM budget sheets are tedious to maintain as there are multiple excel sheets.

Close workflow gaps between requests and reviews. Hence prevent data entry by multiple users and data loss / inconsistency.

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LAB EQUIPMENT PLANNER 2.0

What is new with Lab Equipment Planner 2.0?

SmartLab Budgeting©

New User Interface

New look for Ease of Use with Customizable View !

BU Based Items Master List

Centralized view of Items

Email Notification

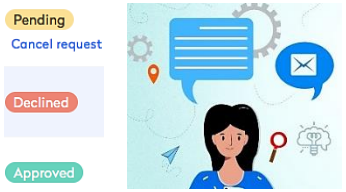
Transparency of Information Flow

Previous Year Item Notification

Which means Efficient Cost Savings !

Request Status of Submitted Items

Track his/her Item Requests !



Excel export

Planning Budget Comparison

Previous vs Current VKM Planning Budget

Proxy Settings

Exclusively for EM & HOE !

Currency Conversion

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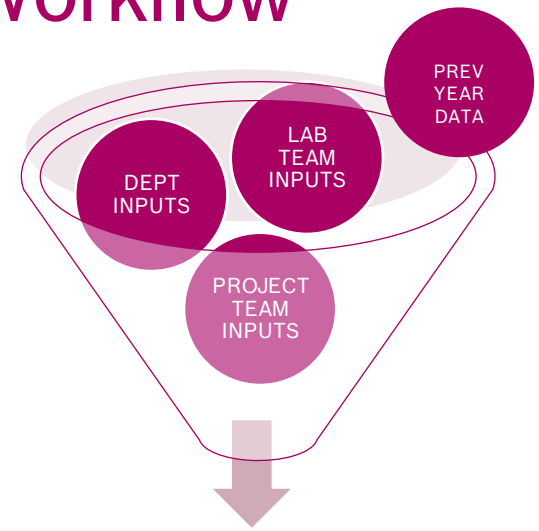
Workflow



LAB EQUIPMENT REQ

Submit Item Request

Submit Item Request

Submit Item Request for Item Procurement

LEVEL 1 Submissions – EMs

LEVEL 2 Reviews – HoEs

LEVEL 3 Reviews - VKM SPOCs

Send back Item Request for reconsideration at each level

Submit & Review Dates will be frozen

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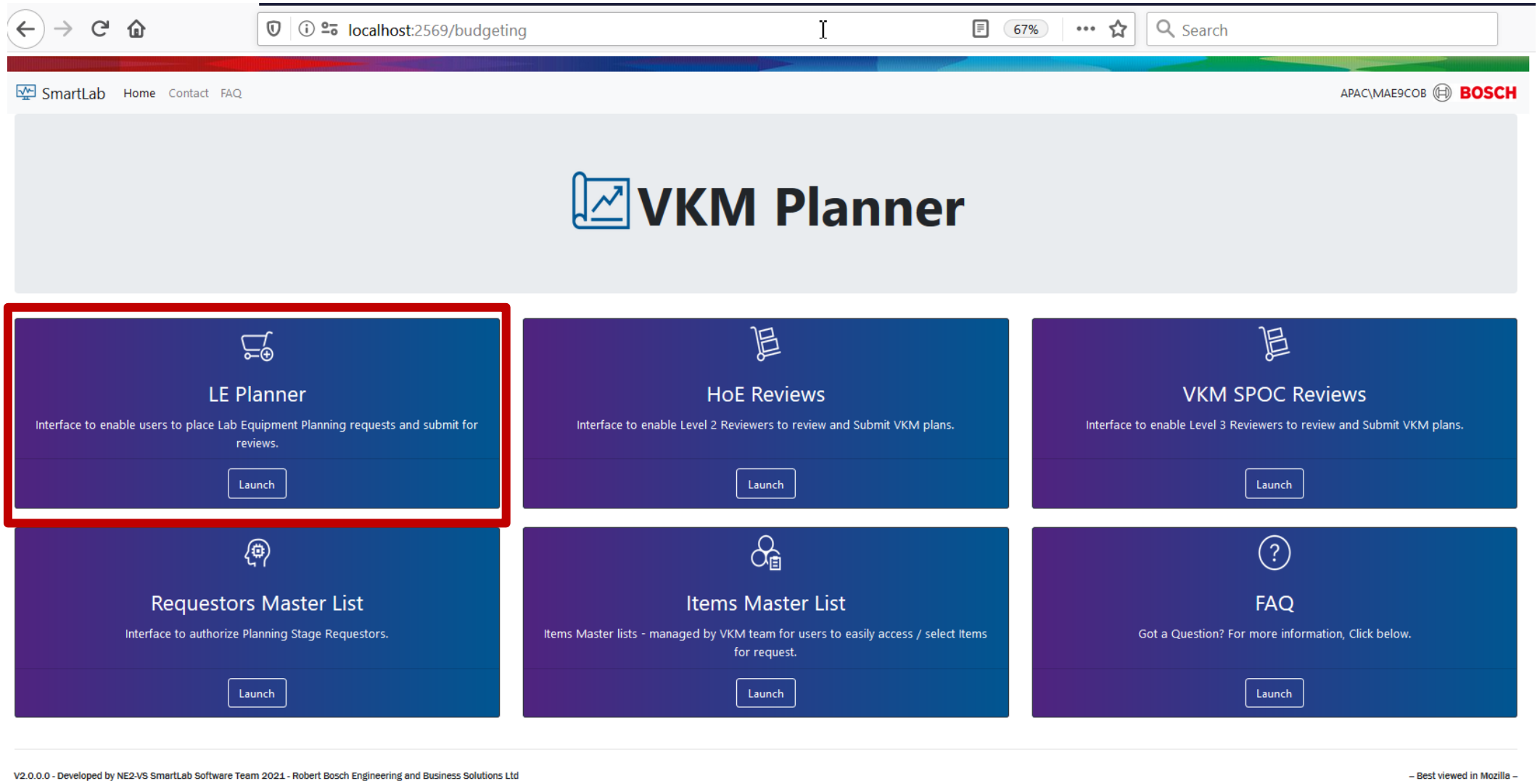
Landing Page



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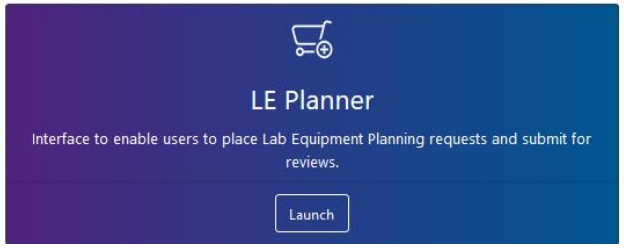
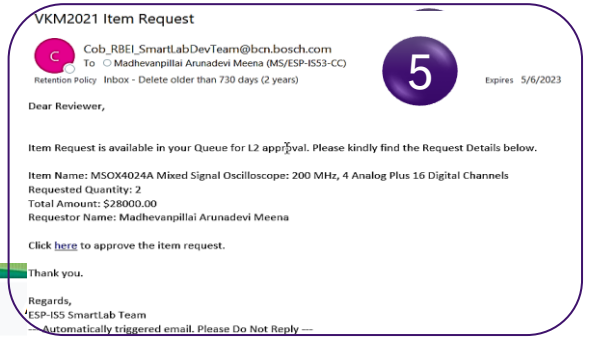
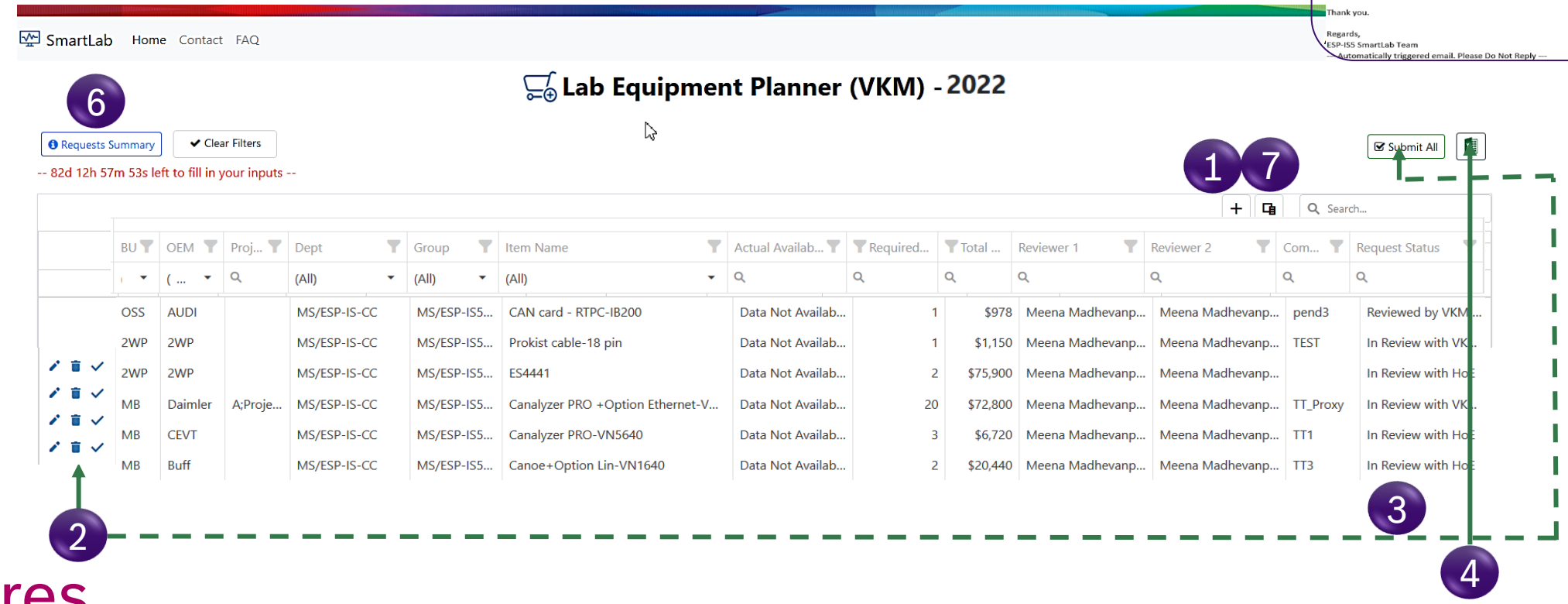
LE Planner

Use this module if you are planning items for projects / Lab (Engineering Managers)







BU	OEM	Proj...	Dept	Group	Item Name	Actual Availab...	Required...	Total ...	Reviewer 1	Reviewer 2	Com...	Request Status
	(...		(All)	(All)	(All)							
OSS	AUDI		MS/ESP-IS-CC	MS/ESP-IS5...	CAN card - RTPC-IB200	Data Not Availab...	1	$978	Meena Madhevanp...	Meena Madhevanp...	pend3	Reviewed by VKM...
2WP	2WP		MS/ESP-IS-CC	MS/ESP-IS5...	Prokist cable-18 pin	Data Not Availab...	1	$1,150	Meena Madhevanp...	Meena Madhevanp...	TEST	In Review with VK...
2WP	2WP		MS/ESP-IS-CC	MS/ESP-IS5...	ES4441	Data Not Availab...	2	$75,900	Meena Madhevanp...	Meena Madhevanp...		In Review with HoE
MB	Daimler	A;Proje...	MS/ESP-IS-CC	MS/ESP-IS5...	Canalyzer PRO +Option Ethernet-V...	Data Not Availab...	20	$72,800	Meena Madhevanp...	Meena Madhevanp...	TT_Proxy	In Review with VK...
MB	CEVT		MS/ESP-IS-CC	MS/ESP-IS5...	Canalyzer PRO-VN5640	Data Not Availab...	3	$6,720	Meena Madhevanp...	Meena Madhevanp...	TT1	In Review with HoE
MB	Buff		MS/ESP-IS-CC	MS/ESP-IS5...	Canoe+Option Lin-VN1640	Data Not Availab...	2	$20,440	Meena Madhevanp...	Meena Madhevanp...	TT3	In Review with HoE

Features

1. User can add Request
2. Edit / Delete / Submit / Submit All Request
3. Request Status
4. Export feature
5. Email notification on submit
6. Summary Views
7. Bonus feature: Customize your table

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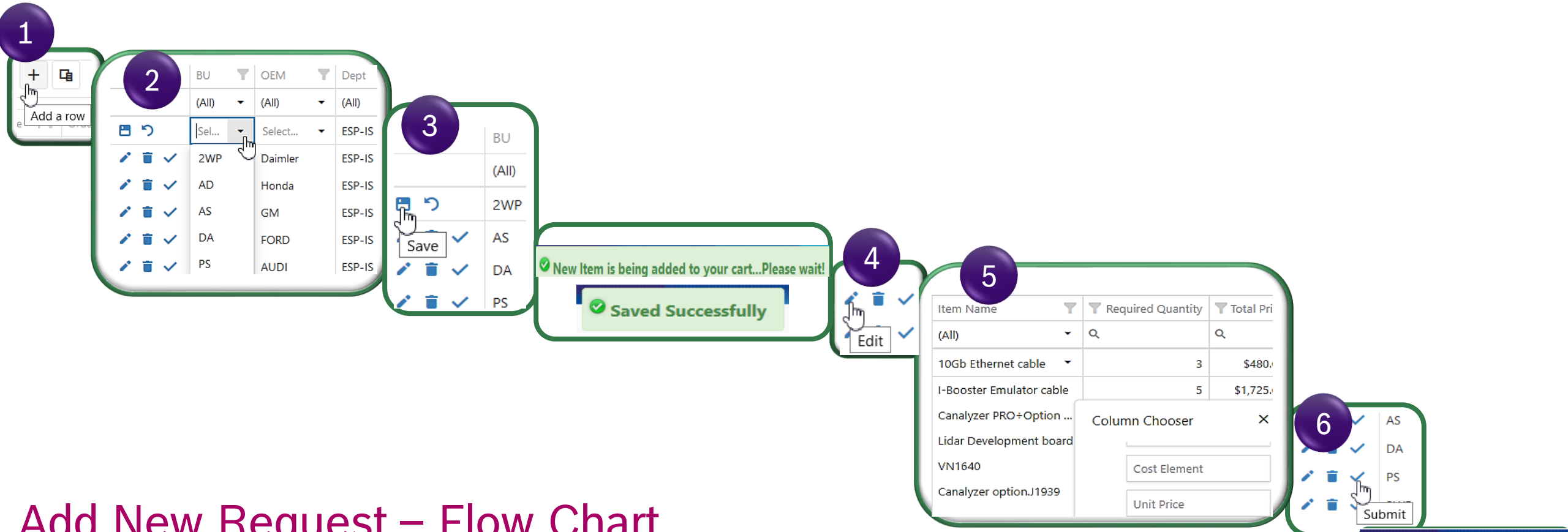
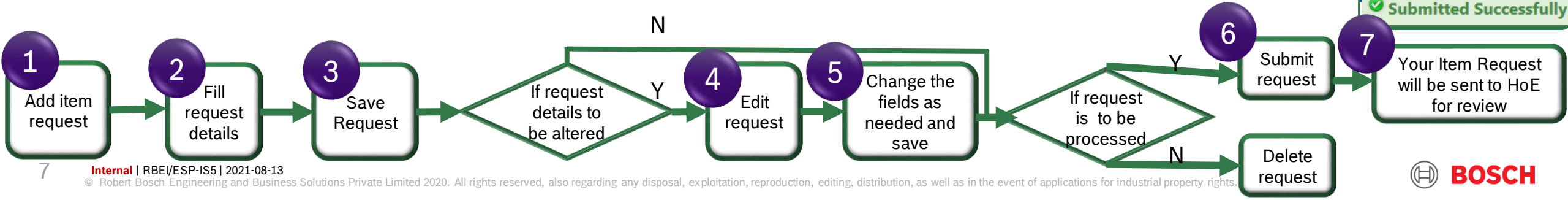
Add New Request



Add New Request – Flow Chart



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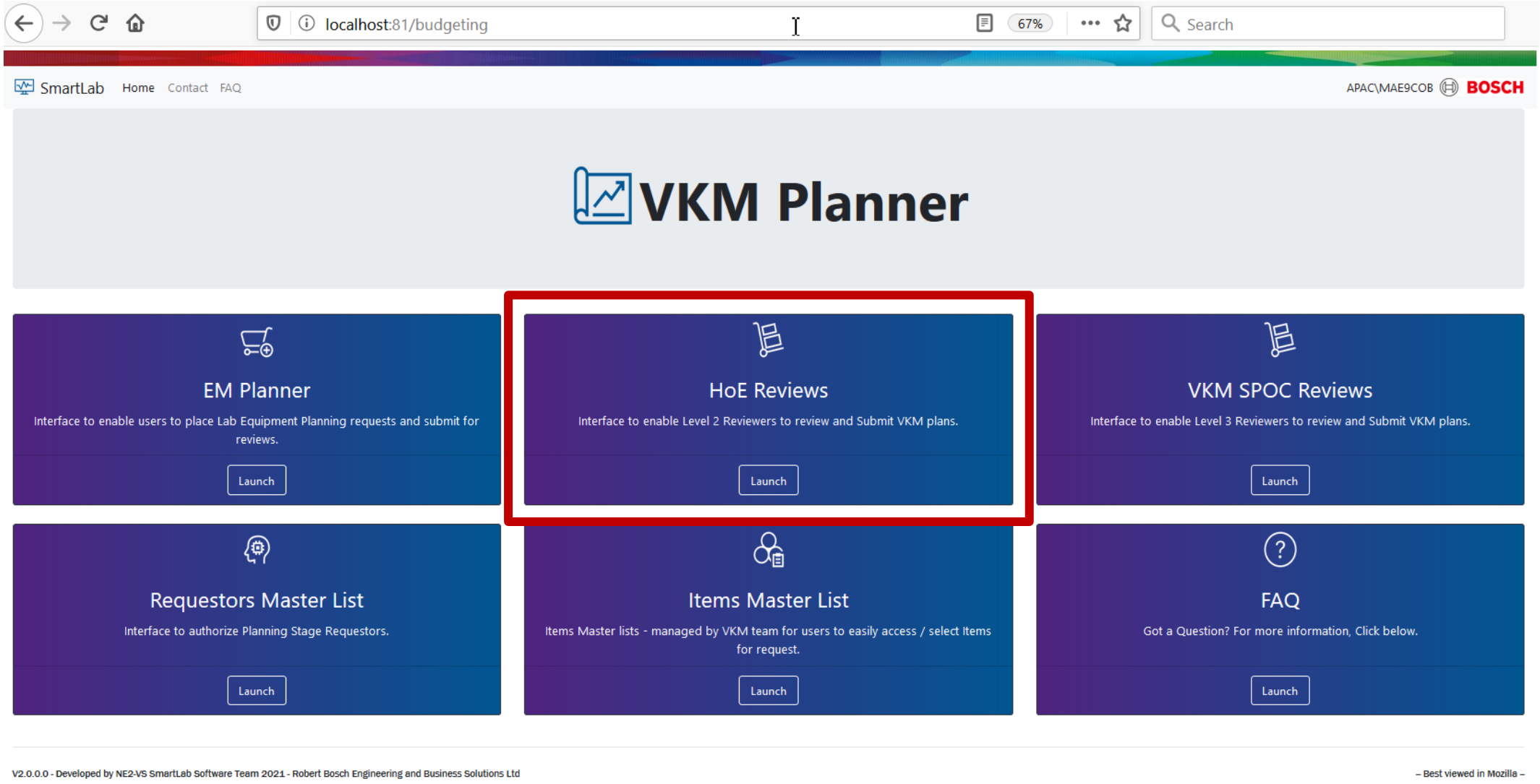
Lab Equipment Planner 2.0 Overview

Landing Page



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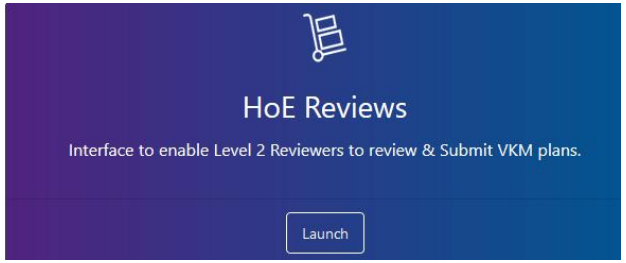
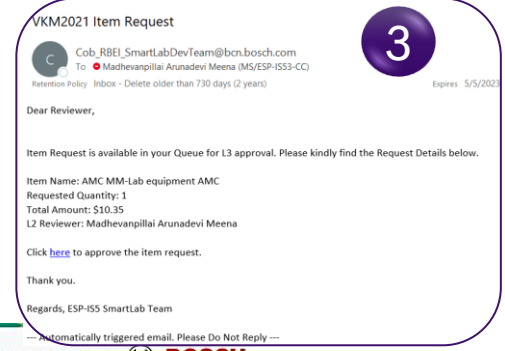
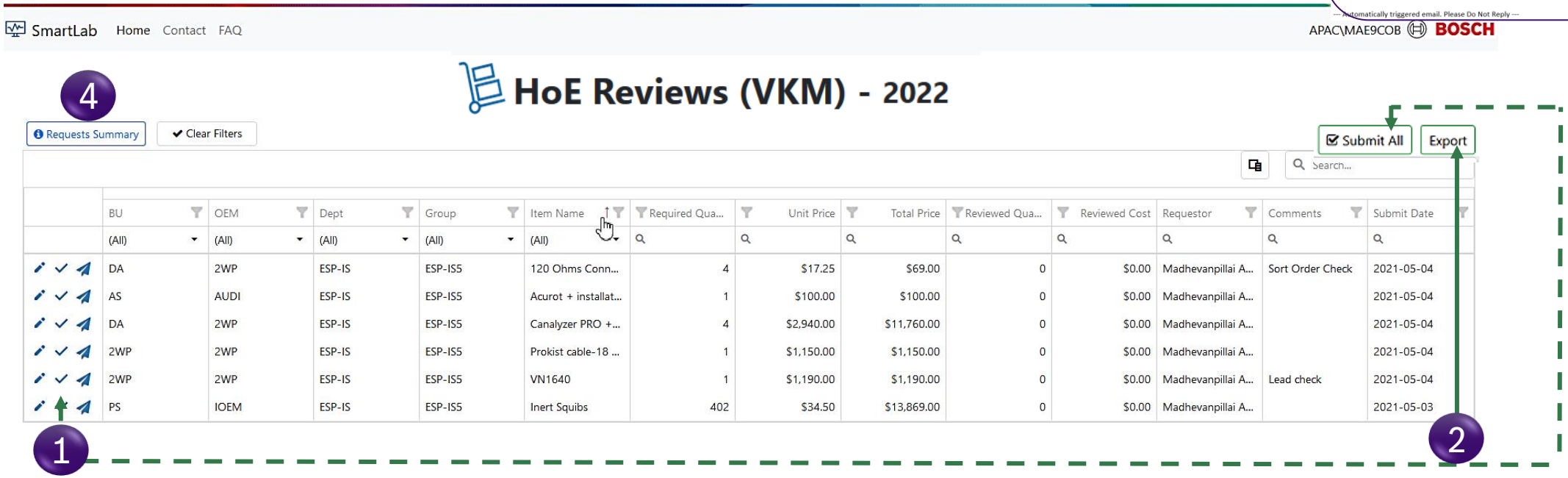
HoE Reviews

Use this module if you are reviewing items planned for Lab (Head of Engineering)







	BU	OEM	Dept	Group	Item Name	Required Qua...	Unit Price	Total Price	Reviewed Qua...	Reviewed Cost	Requestor	Comments	Submit Date
	(All)	(All)	(All)	(All)	(All)								
	DA	2WP	ESP-IS	ESP-IS5	120 Ohms Conn...	4	$17.25	$69.00	0	$0.00	Madhevanpillai A...	Sort Order Check	2021-05-04
	AS	AUDI	ESP-IS	ESP-IS5	Acurot + installat...	1	$100.00	$100.00	0	$0.00	Madhevanpillai A...		2021-05-04
	DA	2WP	ESP-IS	ESP-IS5	Canalyzer PRO +...	4	$2,940.00	$11,760.00	0	$0.00	Madhevanpillai A...		2021-05-04
	2WP	2WP	ESP-IS	ESP-IS5	Prokist cable-18 ...	1	$1,150.00	$1,150.00	0	$0.00	Madhevanpillai A...		2021-05-04
	2WP	2WP	ESP-IS	ESP-IS5	VN1640	1	$1,190.00	$1,190.00	0	$0.00	Madhevanpillai A...	Lead check	2021-05-04
	PS	IOEM	ESP-IS	ESP-IS5	Inert Squibs	402	$34.50	$13,869.00	0	$0.00	Madhevanpillai A...		2021-05-03

Features

1. Edit / Submit / Sendback / Submit All Request(s)
2. Export feature
3. Email notification on submit/sendback
4. Summary views

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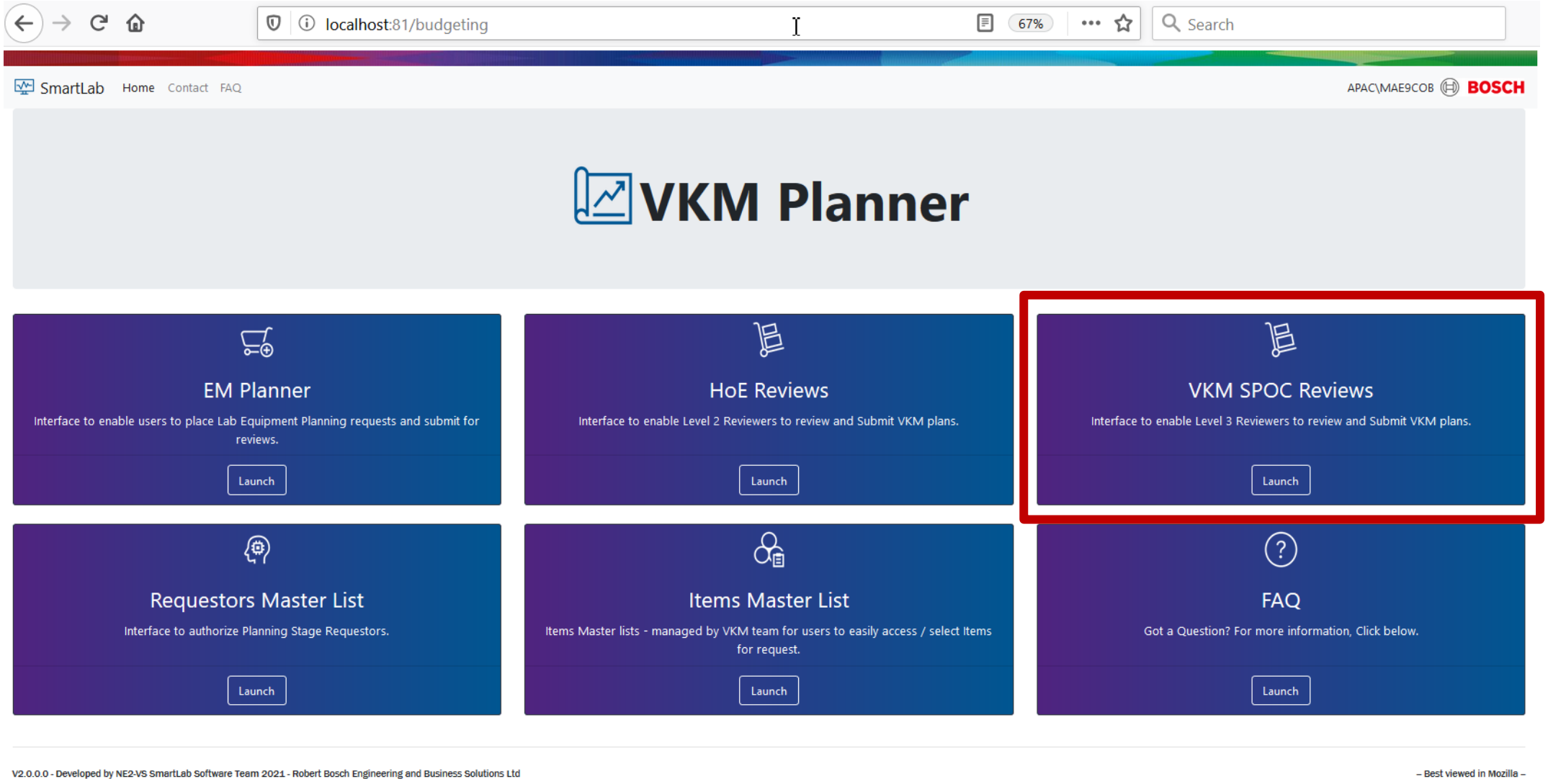
Lab Equipment Planner 2.0 Overview

Landing Page



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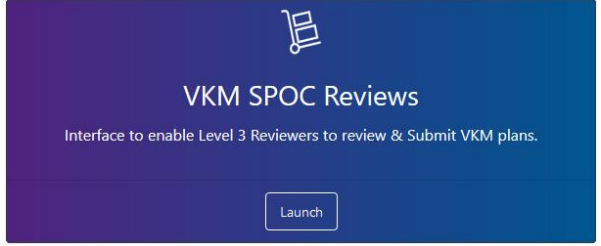
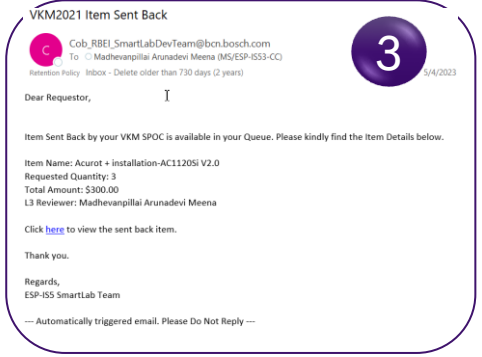
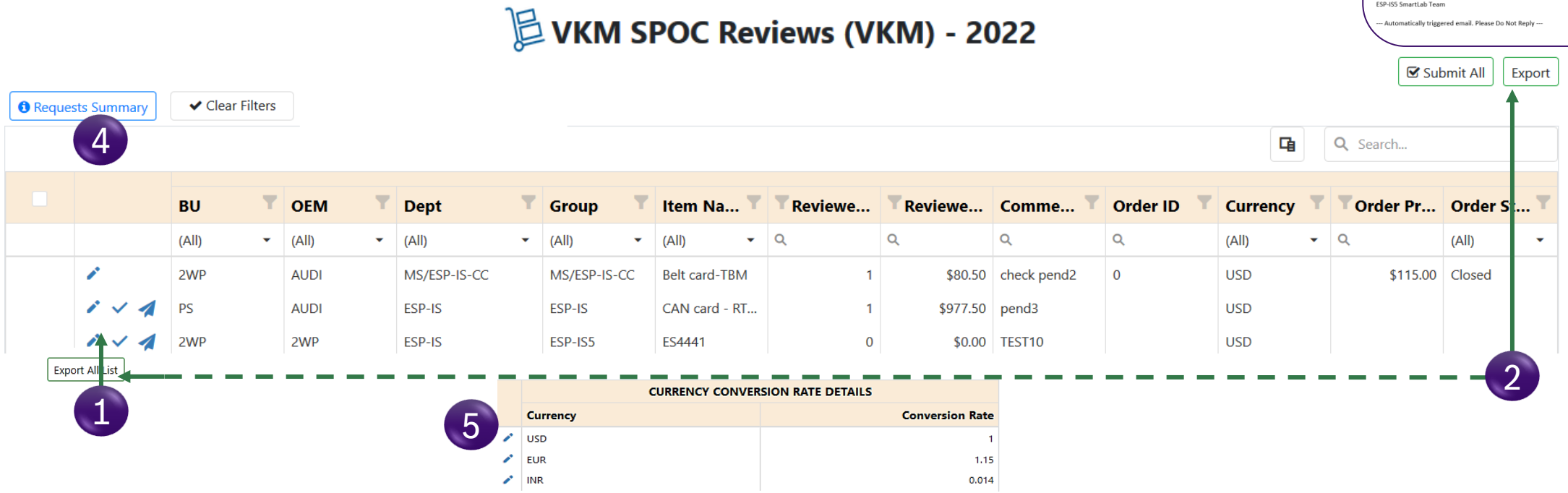
VKM SPOC Reviews

Use this module if you are reviewing items planned for Lab (VKM SPOC)







Features

1. Edit / Submit / Sendback / Submit All Request(s)
2. Export / Export All feature
3. Email notification on sendback
4. Summary views
5. Admin View for Restricted users*

*Currency conversion

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Lab Equipment Planner 2.0 Overview
Hints on Export feature

	VKM Planner	HoE Reviews	VKM SPOC Reviews
Export	All the requests raised (saved/submitted) in user's dept in the present year	i) All the requests submitted under the HoE in the present year, ii) BU Summary, iii) Dept Summary	i) All the requests submitted in the selected year and reviewed by HoE, ii) BU Summary, iii) Dept Summary, iv) Section Summary
Export All	-	-	i) All the requests raised in the selected year, ii) BU Pending Summary, iii) Dept Summary(includes all items at L2 & L3 review levels) – raised in the selected year in the depts under CC / XC.

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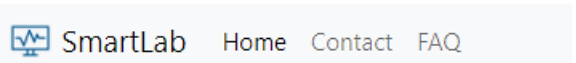
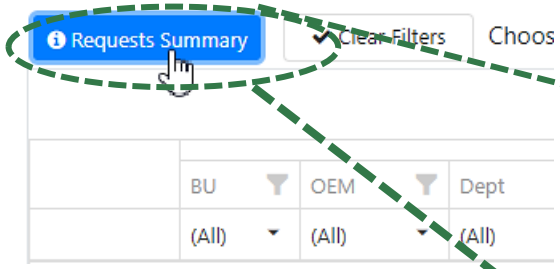
Summary Information

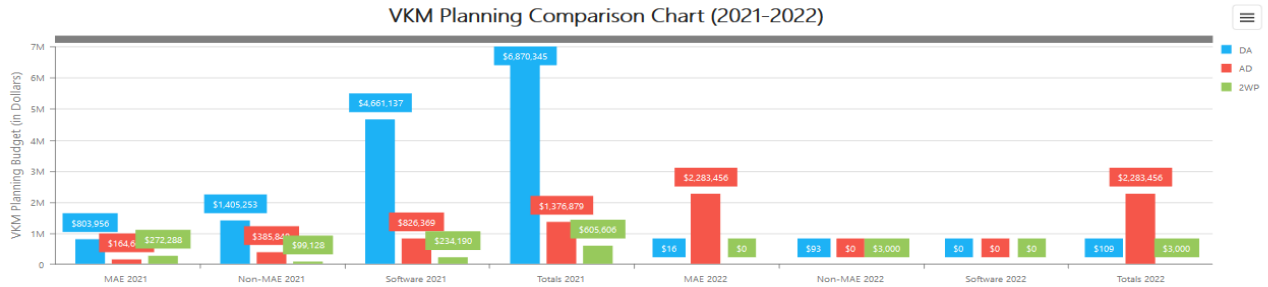
	Requests Page	HoE Reviews	VKM SPOC Reviews
BU Summary	User's requests in the selected year in each BU	Requests pending with HoE	Requests submitted by HoE for VKM SPOC Review
Dept Summary	Summary of requests placed by user's dept	Summary of requests submitted in user's section	Summary of requests reviewed by HoE in all dept





Bu Summary

Cost Element	VKM 2021 DA	VKM 2021 AD	VKM 2021 2WP	VKM 2021 Totals	VKM 2022 DA	VKM 2022 AD
MAE	$803,956	$164,662	$272,288	$1,240,906	$16	$2,283,456
Non-MAE	$1,405,253	$385,848	$99,128	$1,890,229	$93	$0
Software	$4,661,137	$826,369	$234,190	$5,721,696	$0	$0
Totals	$6,870,345	$1,376,879	$605,606	$8,852,830	$109	$2,283,456



Section Summary

Cost Element	All Sections	MS/ EXA- XC	MS/ NE4- XC	MS/ NE3- XC	MS/ EVC- XC	MS/ NE- XC
MAE	$2,283,471	$0	$0	$0	$0	$2,283,471
Non-MAE	$3,093	$0	$0	$0	$0	$3,093
Software	$0	$0	$0	$0	$0	$0
Totals	$2,286,564	$0	$0	$0	$0	$2,286,564

Dept Summary

Cost Element	All Depts	MS/ NE- XC	MS/ NE4- XC	MS/ NE3- XC	MS/ EXP- XC	MS/ EXM- XC	MS/ EXA- XC	MS/ EVC- XC	MS/ ETC
MAE	$2,283,471	$0	$0	$0	$0	$0	$0	$0	$0
Non-MAE	$3,093	$0	$0	$0	$0	$0	$0	$0	$0
Software	$0	$0	$0	$0	$0	$0	$0	$0	$0
Totals	$2,286,564	$0	$0	$0	$0	$0	$0	$0	$0

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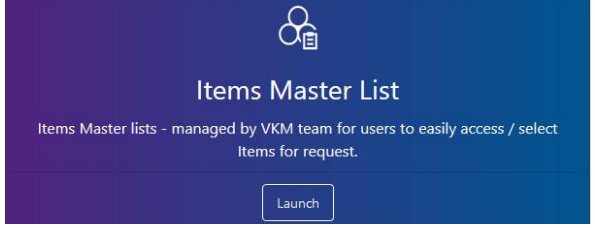
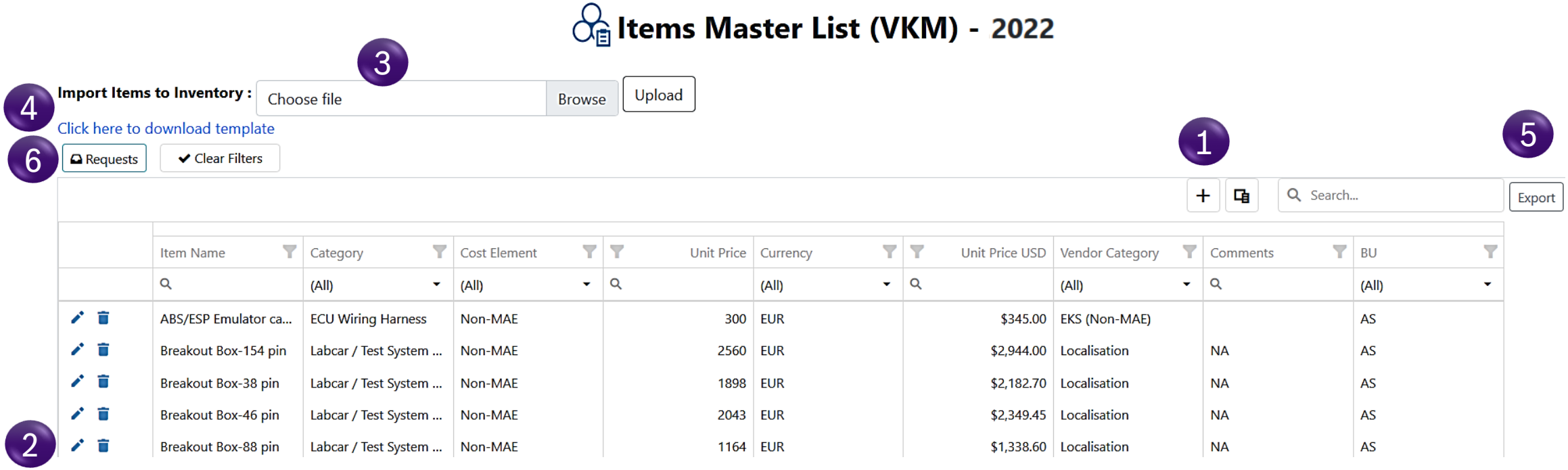
Items Master List



Use this module if you manage master list of items needed in the planning (Lab Management / VKM SPOCs)



	Item Name	Category	Cost Element	Unit Price	Currency	Unit Price USD	Vendor Category	Comments	BU
		(All)	(All)		(All)		(All)		(All)
	ABS/ESP Emulator ca...	ECU Wiring Harness	Non-MAE	300	EUR	$345.00	EKS (Non-MAE)		AS
	Breakout Box-154 pin	Labcar / Test System ...	Non-MAE	2560	EUR	$2,944.00	Localisation	NA	AS
	Breakout Box-38 pin	Labcar / Test System ...	Non-MAE	1898	EUR	$2,182.70	Localisation	NA	AS
	Breakout Box-46 pin	Labcar / Test System ...	Non-MAE	2043	EUR	$2,349.45	Localisation	NA	AS
	Breakout Box-88 pin	Labcar / Test System ...	Non-MAE	1164	EUR	$1,338.60	Localisation	NA	AS

Features

1. User can add Items that can be requested
2. Edit / Delete Items
3. Import items in bulk
4. Download template to import items
5. Export feature
6. Navigate to Requests Page

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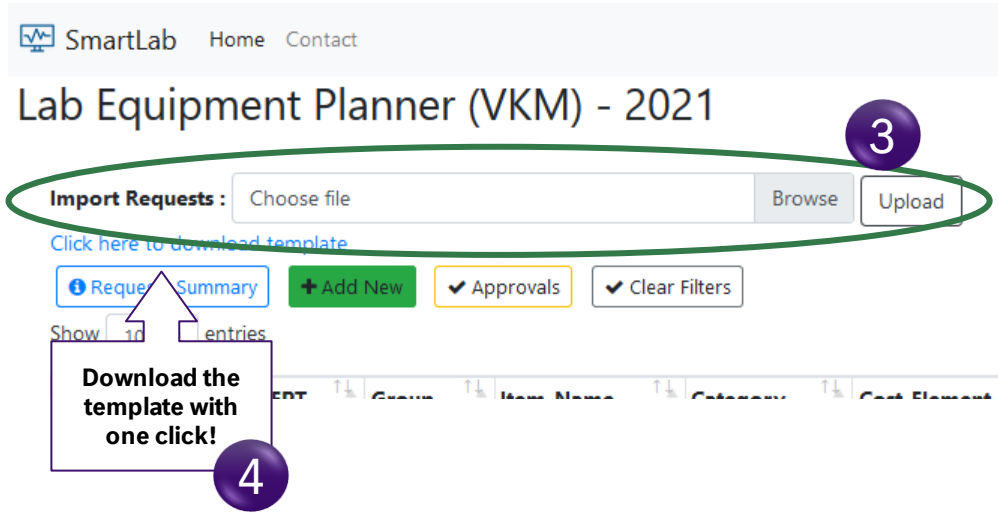
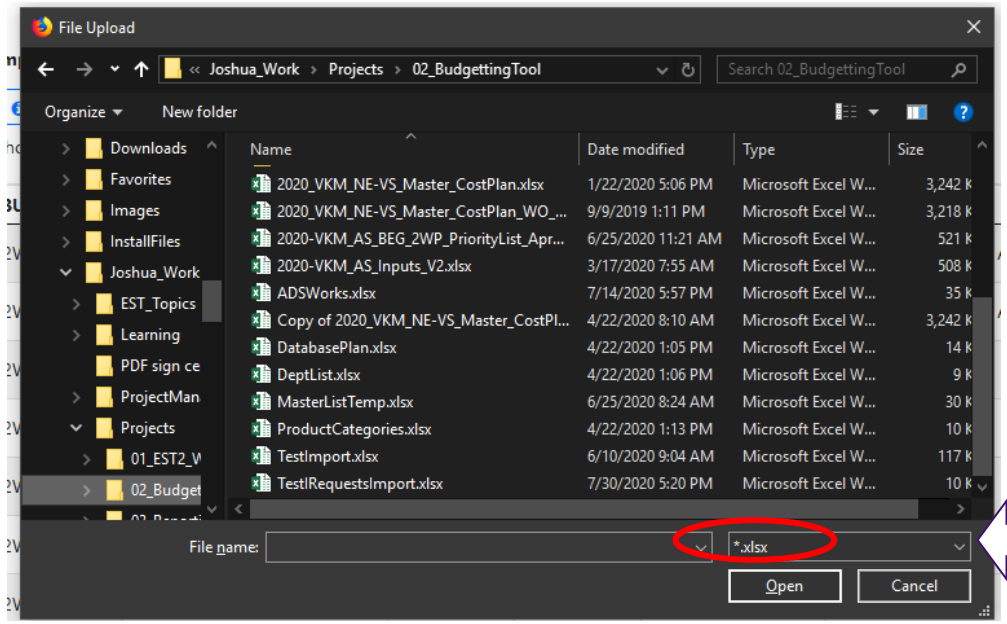
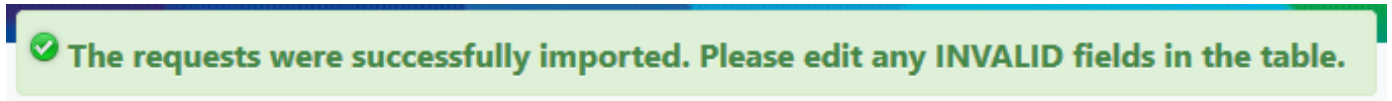
Importing bulk requests





Pre-filtered by .xlsx format.
Please use the template provided for importing requests.



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Lab Equipment Planner 2.0 Overview
Mail Template for assigning Proxy

- **NOTE**:
  An EM / HOE can have a single unique Proxy.

MAIL TEMPLATE
From: EM/ HOE Proxy **To:** EM/ HOE **CC:** Smart Lab Tools Team (Cob_RBEI_SmartLabDevTeam@bcn.bosch.com) **Subject:** Proxy Addition for EM / HOE
Details to be Included: **Role**: EM Proxy / HOE Proxy **Proxy** (NTID and Name): XXX **To whom Proxy should be assigned** (Name and NTID): XXX

- Once, EM/HOE approves the proxy request mail, Smart Lab Team will assign the Proxy.

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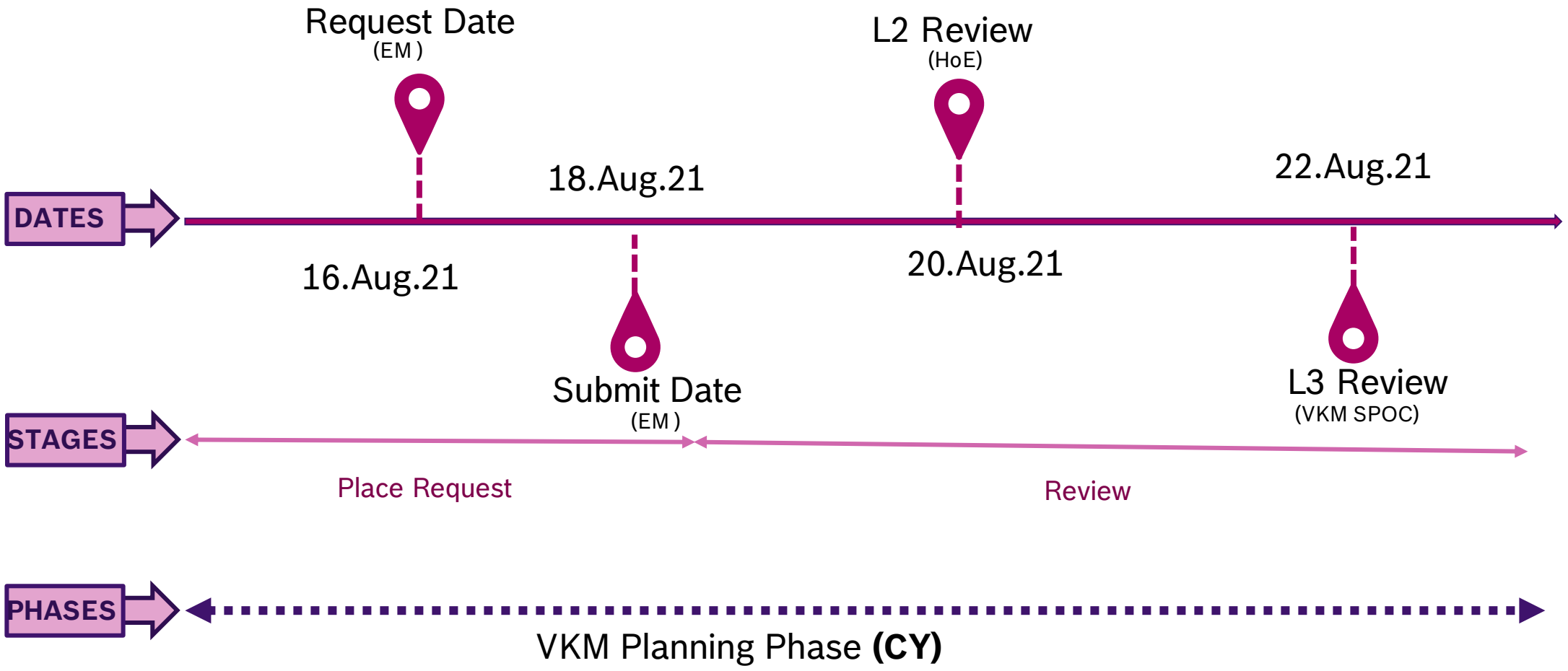
LAB EQUIPMENT PLANNER 2.0
Hints on Important Milestones in VKM Planning



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LAB EQUIPMENT PLANNER 2.0
Contact VKM SPOC Team for questions

VKM SPOCs	Dinesh Kumar Mani (MS/ESP-IS5-CC) - MB, 2WP Chetan Balkunje Shenoy (MS/ESA-PP1-CC) - OSS Sheeba Rani R (MS/ESM3-XC) - DA, AD, 2WP-DA
Tool & Process queries	Murugadas Kaviyarasu external.Kaviyarasu.M@in.bosch.com Thiyagarajan Madasamy Thiyagarajan.Madasamy@in.bosch.com
Proxy Addition	Smart Lab Tools Team Cob_RBEI_SmartLabDevTeam@bcn.bosch.com

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THANK YOU

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Lab Equipment Planner 2.0 Overview
Boundaries

- Limit imports to 100-200 items per import to have fast interface – Available only for SPOC
- Each user (EM) must limit request items to less than 1800 entries to render on the data table
  - More than these can be viewed by export of requests
- Use of Internet Explorer is not recommended. – **Recommended Firefox, Edge**

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