## Sprint Review (07.20~08.03)

	Sub System	Task	Status	Main Contributor	Impediment & Risk
<b>✓</b>	WMB	Communication parameter settings Panel for Devices continue	Done	Wang Ting	Resource Risk
<b>✓</b>		[New Feature] FB List and click to focus on the canvas	Done	Wang Ting	
$\checkmark$		CREEM / Python FB&Device import - Openness continue	Done	Wang Ting / Zhou Zhen Hua	
$\checkmark$		Storybook, Docs (Wiki) and other support system	Done	Huang Xin	
$\checkmark$		WebSocket connection to SPIDR/RA - Device Discovery testing	Done	Huang Xin	
$\checkmark$		Data line links using manual dragging	Continuous	Wang Ting	
<b>✓</b>		MoveJoints/Linear/Circular Dialog and Lead Through	Done	Huang Xin / Zhang Chuan Yu	
<b>✓</b>		Cross-platform local deployment Windows/Linux/MacOS (Electron) continue	Continuous	Song Zhen Yang (Ext)	
<b>✓</b>		Expression Editor in Parameter Panel for Logics, continue	Continuous	Huang Xin	
<b>✓</b>		Danfoss Workflow integrating test with SPIDR executor	Done	Wang Ting / Lu Ting	
<b>✓</b>		Continue low-code paradigm / CREEM support	Continuous	Zhou Zhen Hua	
<b>✓</b>		Improved CI/CD (AWS, Electron, NestJS) continue	Continuous	Huang Xin	
<b>✓</b>		Device Tree & FB Logical Node binding continue	Continuous	Wang Ting	
<b>~</b>		Other UI features and improvements	Done	Zhang Dong Qian (Ext)	
<b>✓</b>		CREEM FB Editor Tool / Kibana merge in	Done	Song Zhen Yang (Ext)	
<b>~</b>		FB I18N from CREEM (zh-CN / en-US) continue	Continuous	Wang Ting	
<b>V</b>		Fix reported issues in existing features (meeting agreement) continue	Done	Wang Ting	
<b>V</b>		iframe openness framework / GoJS ramp up continue	Done	Gong Yi Shen	
<b>V</b>		CREEM FB Templates / Danfoss Workflow / SVG icons design	Done	Zhou Zhen Hua	
		Error Manager design / implementation	On Track	Wang Ting / Zhou Zhen Hua	
		SubWorkflow design / implementation	Not Start	Wang Ting / Zhou Zhen Hua	
	WMB (Automatic	Microservices Builder framework (e.g. FastAPI) continue	Done	Ma Yong (Ext)	No
	Service	CREEM Python Generator GUI	Done	Ma Yong (Ext)	
	Builder)	Minimum openness CREEM definition and doc continue	Done	Zhou Zhen Hua	
<b>V</b>	SPIDR	Refactored SPIDR v2 / Executor (Long-term Plan) continue	Done	Qu Yao	No
		Debugging features in SPIDR v2 investigation	Done	Qu Yao	
		WebSocket connection to SPIDR/RA - Device Discovery MDNS	On Track	Qu Yao	
		SPIDR v1 testing continue	Done	Lu Ting	
		SPIDR v1 refactoring continue	Done	Lu Ting	
		SPIDR Advisor - Original version	Done	Zhu Yi Peng	
	ODEEM	SPIDR: CREEM Workflow NLA interpreter	Done	Lu Ting	N.
	CREEM	CREEM Instance optimization(FB Rest, DevDesc Rest)	Done	Zhou Zhen Hua	No
		CREEM Specification & Base Schema StatusCode standard Chinese translation	On Track	Zhou Zhen Hua	
<b>-</b>	Data Layer	Continue Data Layer integration alignment	Done	Xu Fang Ren (Intern) Ji Yu Kai / Zhou Zhen Hua	No
	Integration	Data Layer interface	Not Start	Qu Yao	NO
<b>7</b>		Preliminary Data Layer Interface & SDK Data (more data)	Continuous	Qu Yao / Zhang Chuan Yu	
<b>7</b>	RA	RA (SDK) interfaces with CREEM & SPIDR continue	Done	Zhang Chuan Yu	Technical Risk (RA has issues to run
<b>V</b>		Investigate more parameters in Robotic SDK continue	Continuous	Zhang Chuan Yu	in ARM64 SBC, we will try KVM
<b>7</b>		RA (SDK) interfaces with WMB Lead Through (WebSocket)	Done	Zhang Chuan Yu / Huang Xin	solution.)
<b>V</b>	3D Simulation	3D visualization of WMB workflow for demo purpose (ThreeJS)	Continuous	Wang Rui	No
<b>V</b>	(Demo	3D visualization deployment on AWS	Done	Wang Rui / Huang Xin	
<b>V</b>	purpose)	Solidworks Danfoss 3D models created for ThreeJS	Continuous	Xu Fang Ren (Intern)	
		3D visualization & WMB integration (iframe, postMessage)	Done	Wang Rui / Gong Yi Shen	
<b>✓</b>		CREEM Cyclic for independent 3D visualization parser	Done	Wang Rui / Zhou Zhen Hua	
	Danfoss	Danfoss use case support (AppComposer with NUC version)	Done	Hu Ye	Requirement Risk (Need more input
	24111000	Danfoss PLC FB investigation (Danfoss PC OPC DA software)	Continuous	Hu Ye	from Danfoss Wuqing Factory)
<b>7</b>		Industrial Robot investigation (Nachi)	Done	Hu Ye	
<b>7</b>		Pythonnet / other Python-based FB investigations	Continuous	Lu Ting	
<b>7</b>		Python-OPCUA investigation (for PLC connection)	Continuous	Qu Yao	
<b>7</b>		Robotic Vision (Hikon Camera, ImageSource as a backup)	Continuous	Yao Wei / Li Yuan Zhe	
<b>V</b>		MES interface and Formula Table architecture further	Continuous	Liao Liang / Zhou Zhen Hua	
<b>V</b>		Danfoss Newest Workflow -> WMB FBTD Low-code	Continuous	Liao Liang / Zhou Zhen Hua	
<b>V</b>	WMB Website	WMB Internal Project Website (more contents)	Continuous	Zhou Zhen Hua	No
<b>✓</b>	General	Business Support	Continuous	Huang Chang Xia	No
<b>V</b>		Product Manager (Customer Visit, FR)	Continuous	Liao Liang	
<b>V</b>		Product Owner (Product Backlog, Scrum Meetings)	Continuous	Liao Liang	
<b>V</b>		Scrum Master (Sprint Backlog, Gitlab, Scrum Meetings)	Continuous	Zhou Zhen Hua / Wang Ting	
<b>V</b>		Architecture (WMB, SPIDR, CREEM, RA, ASB and Danfoss Use Case)	Continuous	Zhou Zhen Hua	
		DevOps & CI/CD (Siemens Website) Support	On Demand	Hartanto Victor	
<b>✓</b>		Patent (CREEM and Low-code Paradigm)	Continuous	Zhou Zhen Hua	
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# Sprint Planning (08.04~08.17)

#	Sub System	Task	Status	Main Contributor	Impediment & Risk
	WMB	Device & FB Binding continue	On Track	Wang Ting	Resource Risk
		Communication parameter settings Panel for Devices continue	On Track	Wang Ting	
		CREEM / Python FB&Device import - Openness continue	On Track	Wang Ting / Zhou Zhen Hua	
		Storybook, Docs (Wiki) and other support system	On Track	Huang Xin	
		Data line links remaining issues (low priority)	Continuous	Wang Ting	
		MoveJoints/Linear/Circular Dialog and Lead Through continue	Continuous	Huang Xin / Zhang Chuan Yu	
		Expression Editor in Parameter Panel for Logics (low priority)	Continuous	Huang Xin / Wang Ting	
		Danfoss Workflow integrating test with SPIDR executor	On Track	Wang Ting / Lu Ting	
		Continue low-code paradigm / CREEM support	Continuous	Zhou Zhen Hua	
		Improved CI/CD (AWS, Electron, NestJS) continue	Continuous	Huang Xin	
		Device Tree & FB Logical Node binding continue	On Track	Wang Ting	
		Admin feature. Property Panel . Other UI features and improvements	On Track	Zhang Dong Qian (Ext)	
		Cross-platform local deployment Windows/Linux/MacOS (Electron) continue	On Track	Song Zhen Yang (Ext)	
		CREEM FB Editor Tool continue / Kibana merge in	On Track	Song Zhen Yang (Ext)	
		I18N from CREEM (zh-CN / en-US) continue	On Track	Wang Ting	
		Fix reported issues in existing features continue	On Track	Wang Ting	
		iframe openness framework / GoJS ramp up continue	On Track	Gong Yi Shen	
		CREEM FB Templates / Danfoss Workflow / SVG icons design	On Track	Zhou Zhen Hua	
		Error Manager design / implementation	Not Start	Wang Ting / Zhou Zhen Hua	
	WILD (10D)	SubWorkflow design / implementation	Not Start	Wang Ting / Zhou Zhen Hua	
	WMB (ASB)	Microservices Builder framework (e.g. FastAPI) continue	Continuous	Ma Yong (Ext)	No
	CDIDD	Minimum openness CREEM definition and doc continue	On Track	Zhou Zhen Hua	Mo
	SPIDR	SPIDR v2 / Executor (Long-term Plan) continue	On Track	Qu Yao	No
		Debugging and other features in SPIDR v2 investigation  WebSocket connection to SPIDR/RA - Device Discovery MDNS	On Track On Track	Qu Yao Lu Ting / Qu Yao	
		SPIDR v1 testing (on RaspberryPi) continue	On Track	Lu Ting	
		SPIDR v1 refactoring continue; Python format definition	On Track	Lu Ting	
		SPIDR v1: CREEM Workflow NLA interpreter continue (timeout)	On Track	Lu Ting	
		SPIDR v1 Advisor	On Demand	Zhu Yi Peng	
		SPIDR HMI Monitor - Raspberry Pi - feature implementation	On Track	Lu Ting	
		SPIDR HMI Monitor - Raspberry Pi - web page for fixed resolution	On Track	Zhou Zhen Hua	
	CREEM	CREEM Instance optimization (FB Rest, DevDesc Rest)	On Track	Zhou Zhen Hua	No
		CREEM Specification & Base Schema	On Track	Zhou Zhen Hua	
		StatusCode standard Chinese translation	On Track?	Xu Fang Ren (Intern)	
	Data Layer	Continue Data Layer integration architecture alignment	On Demand	Ji Yu Kai / Zhou Zhen Hua	No
	Integration	Data Layer interface (RabbitMQ or HTTP POST/GET)	On Track	Qu Yao	
		Preliminary Data Layer Interface & SDK Data (TDB, Schema)	On Track	Qu Yao / Zhang Chuan Yu	
	RA	RA (SDK) interfaces with CREEM & SPIDR continue	On Track	Zhang Chuan Yu	Technical Risk (RA has issues to run
		Investigate more parameters in Robotic SDK continue	On Track	Zhang Chuan Yu	in ARM64 SBC, we will try KVM solution.) For long term, this part
		RA (SDK) tests on RaspberryPi (try KVM solution)	On Track	Zhang Chuan Yu	should be rewrote.
	3D Simulation	3D visualization of WMB workflow for demo purpose (ThreeJS)	Continuous	Wang Rui	No
	(Demo purpose)	Real storyline design and implementation (Danfoss and more)	On Track	Wang Rui	
		Solidworks Danfoss 3D models created for ThreeJS	Continuous	Xu Fang Ren (Intern)	
		3D visualization & WMB integration (iframe, postMessage)	On Track	Wang Rui / Gong Yi Shen	
		CREEM Cyclic for independent 3D visualization parser	On Track	Wang Rui / Zhou Zhen Hua	
	Danfoss	Danfoss use case requirement confirmation with customer	On Track	Liao Liang	Requirement Risk (Need more input
		Danfoss use case support (WMB version preparations)	On Track	Hu Ye (and Li Ji ?)	from Danfoss Wuqing Factory.  Danfoss needs more time to prepare
		Danfoss PLC FB investigation (Be focus on OPC UA with S7 1500)	On Track	Hu Ye	MES and Formula Table)
		Industrial Robot investigation (Be focus on Nachi and OTC)	On Track	Hu Ye	
		Pythonnet / other Python-based FB investigations	On Track	Lu Ting	
		Pythoncom / Profinet / ModbusTCP / paho-mqtt investigations	On Track	Ma Yong (Ext)	
		Python-opcua investigation (for PLC connection)	On Track	Qu Yao / Hu Ye / Zhu Yi Peng	
		Robotic Vision (Keyence, Hikon Camera, ImageSource as a backup)	On Track	Yao Wei / Li Yuan Zhe	
		Vision Service FastAPI refactoring	On Track	Yao Wei	
		MES interface and Formula Table architecture further	Pending	Liao Liang / Zhou Zhen Hua	
	MAD M. I. S.	Danfoss Newest Workflow -> WMB FBTD Low-code	On Track	Liao Liang / Zhou Zhen Hua	Ma
	WMB Website	WMB Internal Project Website (more contents)	Continuous	Zhou Zhen Hua	No No
	General	Business Support  Product Manager (Customer Visit, ER)	Continuous	Huang Chang Xia	No
		Product Manager (Customer Visit, FR)  Product Owner (Product Bookley, Serum Meetings)	Continuous	Liao Liang	
		Product Owner (Product Backlog, Scrum Meetings)  Serum Meeter (Sprint Backlog, Cittleb, Serum Meetings)	Continuous	Liao Liang	
		Scrum Master (Sprint Backlog, Gitlab, Scrum Meetings)  Architecture (WMB, SPIDR, CREEM, RA, ASB and Danfoss Use Case)	Continuous Continuous	Zhou Zhen Hua / Wang Ting Zhou Zhen Hua	
		DevOps & CI/CD (Siemens Website) Support	On Demand	Hartanto Victor	
		Patent (CREEM and Low-code Paradigm)	Continuous	Zhou Zhen Hua	
		. atom (one Em and Eom Code i diddigin)	Continuous	LIIOG EIIGH HUU	

# Sprint Planning (07.07~07.20)

	Sub System	Task	Status	Main Contributor	Impediment & Risk
<b>✓</b>	WMB	Device & FB Binding	Done	Wang Ting	Resource Risk
<b>✓</b>		Communication parameter settings Panel for Devices continue	Done	Wang Ting	
<b>✓</b>		CREEM / Python FB import - Openness	Done	Wang Ting	
<b>✓</b>		WebSocket connection to SPIDR/RA - Device Discovery	Done	Huang Xin	
<b>✓</b>		CREEM Workflow Parser (GoJS -> CREEM), add data links	Done	Wang Ting	
<b>✓</b>		Improved AWS Deployment (Lambda, Serverless) for NestJS version	Done	Huang Xin	
<b>✓</b>		Cross-platform local deployment Windows/Linux/MacOS (Electron)	Continuous	Song Zhen Yang (Ext)	
<b>✓</b>		Expression Editor in Parameter Panel for Logics, continue	Continuous	Huang Xin	
<b>✓</b>		IQC and other advanced decorators; pre-interpreter, continue	Done	Wang Ting	
<b>✓</b>		Continue low-code paradigm / CREEM support	Continuous	Zhou Zhen Hua	
<b>✓</b>		Improved CI/CD (AWS, Electron, NestJS)	Continuous	Huang Xin	
<b>✓</b>		Device Tree & FB Logical Node binding	Done	Wang Ting	
<b>✓</b>		Interview SSI outsourcing for GoJS in SuZhou	Done	Wang Ting	
<b>✓</b>		Dashboard sample and other UI features.	Done	Zhang Dong Qian (Ext)	
<b>✓</b>		Kibana log system / code ramp up	Done	Song Zhen Yang (Ext)	
<b>✓</b>		FB I18N from CREEM (zh-CN / en-US)	Done	Wang Ting	
<b>√</b>		Fix reported issues in existing features (SystemConfiguration / Tags)	Done	Wang Ting	
		SubWorkflow design / implementation	Not Start	Wang Ting / Zhou Zhen Hua	
<b>✓</b>	WMB	Microservices Builder framework (e.g. FastAPI) continue	Continuous	Ma Yong (Ext)	No
	(Automatic Service	CREEM Python Generator GUI	Not Start	Ma Yong (Ext)	
<b>✓</b>	Builder)	Minimum openness CREEM definition and doc	Done	Zhou Zhen Hua	
<b>✓</b>	SPIDR	Refactored SPIDR / Executor (Long-term Plan)	Continuous	Qu Yao	No
<b>✓</b>		SPIDR hand over (Yi Peng's original version)	Done	Lu Ting	
<b>✓</b>		SPIDR Advisor - Original version	Done	Zhu Yi Peng	
<b>✓</b>		SPIDR: CREEM Workflow Parser (CREEM -> Node/Link), data + device	Done	Lu Ting	
<b>✓</b>	CREEM	CREEM Instance optimization(FB Rest, DevDesc Rest)	Done	Zhou Zhen Hua	No
<b>✓</b>		CREEM Specification & Base Schema	Continuous	Zhou Zhen Hua	
<b>✓</b>	Data Layer	Continue Data Layer integration alignment	Done	Ji Yu Kai / Zhou Zhen Hua	No WMB story is planned in Data
	Integration	Data Layer interface	Pending	Qu Yao	Layer sprint until 07.16
<b>✓</b>		Preliminary Data Layer Interface & SDK Data (more data)	Continuous	Qu Yao / Zhang Chuan Yu	
<b>✓</b>	RA	RA (SDK) interfaces with CREEM & SPIDR continue	Continuous	Zhang Chuan Yu	No
<b>✓</b>		Investigate more parameters in Robotic SDK continue	Continuous	Zhang Chuan Yu	
		RA (SDK) interfaces with WMB Lead Through (WebSocket)	Not Start	Zhang Chuan Yu	
<b>✓</b>	3D Simulation	3D visualization of WMB workflow for demo purpose (ThreeJS)	Continuous	Wang Rui	No
<b>✓</b>	(Demo purpose)	3D visualization deployment on AWS	Done	Huang Xin	
<b>✓</b>	pu.poco,	Solidworks Danfoss 3D models created for ThreeJS	Done	Xu Fang Ren (Intern)	
		3D visualization & WMB integration (iframe, postMessage)	Not Start	Wang Rui / Wang Ting	
		CREEM Cyclic for independent 3D visualization parser	Not Start	Wang Rui / Zhou Zhen Hua	
<b>✓</b>	Danfoss	IPC (AppComposer, USB Dongle, SPIDR/Forte) for Danfoss	Done	Hu Ye / Liao Liang	Technical Risk (Robotic Vision fo
<b>✓</b>		Atlas torque wrench / Barcode scanner python driver - fix issues	Done	Hu Ye / Li Ji	Danfoss use case has issues)
<b>✓</b>		Python driver code standardize / Python-opcua investigation	Continuous	Lu Ting	
		Robotic Vision (Hikon Camera, ImageSource as a backup)	Risk	Yao Wei / Li Yuan Zhe	
<b>✓</b>		MES interface and Formula Table architecture further	Continuous	Liao Liang / Zhou Zhen Hua	
<b>V</b>		Danfoss Newest Workflow -> WMB FBTD Low-code	Done	Liao Liang / Zhou Zhen Hua	
<b>✓</b>	WMB Website	WMB Internal Project Website (Architecture / Showcase)	Done	Zhou Zhen Hua	
<b>7</b>	General	Business Support	Continuous	Huang Chang Xia	No
<b>✓</b>		Product Manager (Customer Visit, FR)	Continuous	Liao Liang	
<b>▼</b>		Product Owner (Product Backlog, Scrum Meetings)	Continuous	Liao Liang	
		Scrum Master (Sprint Backlog, Gitlab, Scrum Meetings)	Continuous	Zhou Zhen Hua / Wang Ting	
<b>✓</b>					
<b>✓</b>		Architecture (WMB, SPIDR, CREEM. RA and Danfoss Use Case)	Continuous	Zhou Zhen Hua	
<b>✓</b>		Architecture (WMB, SPIDR, CREEM, RA and Danfoss Use Case)  DevOps & CI/CD (Siemens Website) Support	Continuous On Demand	Zhou Zhen Hua Hartanto Victor	

## Sprint Review (06.23~07.06)

Communication parameter settings Panel for Devices Data source from CREEM for Parameter Panel Data Subtraction to SPIDR/RA (Low Priority) CREEM Workflow Paraer (GDLS > CREEM), add data links Done Wang Ting Huang Xin  CREEM Workflow Paraer (GDLS > CREEM), add data links Done Huang Xin  PWA improved AWS Deployment (Lambda, Serverless) for NestJS version Done Huang Xin  PWA implementation PWA implementation PWA implementation PWA implementation Cantinuous Huang Xin  Continuous Mang Ting Mang Ting  Continuous Huang Xin  Continuous Huang Xin  Continuous Continuous Mang Ting  Continuous Huang Xin  Continuous Occode paradigm / CREEM Support Improved CUCO (AWS, Electron, NestJS) Device Tree & FB Logical Node binding Not Start Wang Ting  CSS / Components improvements Done CSS / Components improvements Done Done Wang Ting  CSS / Components improvements Done Done Wang Ting Wang Ting  Wang Ting  Wang Ting  Wang Ting  Wang Ting  Wang Ting  Continuous Wang Ting  Wang Ting	k (We will interview oth in Shanghai and ng team will have one e to support - on board
Dose Wang Ing / Huang Xn Deals accure for CREEM for Parameter Parel Deals Communication parameter Parel Deals Common CREEM for Parameter Parel WebSocket connection to SPIDR/PA (Low Priority)  CREEM Workflow Pares (Go.S. > CREEM), add data links Improved AWS Diployment (Lambda, Serverless) for Next JS version PPVA implementation Expression Editor in Parameter Parel Dose Tanag Dong Dian (Ext)  Expression Editor in Parameter Parel for Logics, continue Continuous Huang Xin  Continuous Huang Xin  Results refactioning to store PRis in file system Dose Usang Ting Next JS refactioning to store PRis in file system Code ramp up and add comments? React 18N improvement Dose Usang Ting Continuous Improved CVCD (WKS Election, Next JS) Device Tree & FB Logical Node binding Interview SS loutsourcing for 60x JS no 32/bou Device Tree & FB Logical Node binding Interview SS loutsourcing for 60x JS no 32/bou Device Tree & FB Logical Node binding Interview SS loutsourcing for 60x JS no 32/bou Dose Wang Ting  Was Simbronic Good of the must be support Dose Wang Ting  Was Simbronic Good of the must be support Dose Wang Ting  Wang Ting Wang Tin	ng team will have one
Methodology   Data source from CREEM for Parameter Panel   Dane   Wang Ting   Pane Policy   WebSociet connection to SPIDR/RA (Low Priority)   Continuous   Huang Xin   Panel Ting   Panel	-
WebSocket connection to SFIDRIRA (Low Priority) CREEM Workflow Parser (G.S.) ~ CREEM), add data links  Improved AWS Deployment (Lambdia, Serverless) for NestJS version  PWA implementation  PWA implementation  Done Expression Editor in Parameter Panel for Logics, continue Continuous  Manag Xin  LiCa and other advanced decorators; pre-interpreter, continue Continuous NestJS reductioning to store FBs in file system Code ramp up and add comments? Resent 18N improvement Code ramp up and add comments? Resent 18N improvement Code ramp up and add comments? Resent 18N improvement Code ramp up and add comments? Resent 18N improvement Code ramp up and add comments? Resent 18N improvement Code ramp up and add comments? Resent 18N improvement Code ramp up and add comments? Resent 18N improvement Code ramp up and add comments? Resent 18N improvement Code ramp up and add comments? Resent 18N improvement Code ramp up and add comments? Resent 18N improvement Lamp Xin Code ramp up and add comments? Resent 18N improvement Code ramp up and namd code Code subject to the code of	
Improved AWS Deployment (Lambda, Serverless) for Next JS version  PWA implementation  PWA implementation  Done  District Spread of Serverless) for Next JS version  Done  District Spread of Serverless) for Next JS version  Done  District Spread of Serverless of Serverl	
PWA implementation  PWA implementation  Done  Zhang Dong Qian (Ext)  Expression Editor in Parameter Panel for Logics, continue  Continuous  Wang Ting  Nest JS refactoring to store FBs in file system  Octer many up and add comments / React IT 18M improvement  Continuous	
Expression Editor in Parameter Panel for Logics, continue    Continuous   Huang Xin	
IQC and other advanced decorators; pre-interpreter, continue   Continuous   Wang Ting	
NestJS refactoring to store FBs in file system Code ramp up and add comments / React 118N improvement Done Thang Dong Qian (Ext) The private of Continuous Continuous Thou Zhang Dong Qian (Ext) Thang Thang Dong Qian (Ext) Thang Thang Cixi Thang Thang Dong Qian (Ext) Thang Dong Qian (Ext) Thang Thang Dong Qian (Ext) Thang Chuan Yu Tha	
Code ramp up and add comments / React I18N improvement Continuous Continuous Continuous Continuous Chou Zhen Hua  Device Tree & FB Logical Node binding Improved CVCD (AWS, Electron, NexuLS) Device Tree & FB Logical Node binding Interview SSI outsourcing for GoJS in SuZhou  CSS / Components improvements Done Zhang Dong Qian (Ext)  Haway Ting  CSS / Components improvements Done Zhang Dong Qian (Ext)  Not Start Wang Ting  Continuous Wang Ting  Continuous Wang Ting  Continuous Wang Ting  Continuous Wang Ting  Wang Ting  Continuous Wang Ting  Continuous Wang Ting  Wang Ting  Continuous Wang Ting  Not Start Wang Ting / Zhou Zhen Hua  Microservice Builder framework (e.g. FastAPI) Done Ma Yong (Ext) No  CREEM Python Generator GUI  CREEM Python Generator GUI  Wicroservice CREEM definition and doc CREEM Python Generator of UI  CREEM Python Generator of UI  SPIDR Code generator in SPIDR / Executor (Long-term Plan) Continuous CREEM SPIDR Code generator in SPIDR / Executor (Long-term Plan) Continuous Chu Yi Peng  SPIDR Ra (SDK) integration  SPIDR SPIDR Ra (SDK) integration  SPIDR Ray By Dintegration Continuous Chu Yi Peng  CREEM FB Template / Generated Python Sample for 3rd Party Vendor Done Zhou Zhen Hua  No CREEM Specification & Base Schema Continuous Chau Zhen Hua No CREEM Specification & Base Schema Continuous Chau Zhen Hua No CREEM Specification & Base Schema Continuous Chau Zhen Hua No CREEM Specification & Base Schema Continuous Chau Zhen Hua No CREEM Specification & Base Schema Continuous Chau Zhen Hua No CREEM Specification & Base Schema Continuous Chau Zhen Hua No CREEM Specification & Base Schema Continuous Chau Zhen Hua No CREEM Specification & Base Schema Continuous Chau Zhen Hua No CREEM FB Template / Generated Python Sample f	
Continue low-code paradigm / CREEM support Improved CI/CD (AWS, Electron, Nest JS) Device Tree & FB Logical Node binding Not Start Wang Ting Interview SSI obusouring for GoJS in SuZhou Done Wang Ting Continuous Wang Ting Wang Wang Wang Wang Wang Wang Wang Wang	
Improved CI/CD (AWS, Electron, NestJS)	
Device Tree & FB Logical Node binding Not Start Wang Ting Interview SSI outsourcing for GoJS in SuZhou Done Wang Ting CSS / Components improvements Done Zhang Dong Qian (Ext)  I RN from CREEM (zh-CN / en-US) Not Start Wang Ting Fixe reported issues in existing features (SystemConfiguration / Tags) Continuous Wang Ting SubWorkflow design / implementation Not Start Wang Ting / Zhou Zhen Hua  WMB Microservice Builder framework (e.g., FastAPI) Done Ma Yong (Ext) No Center May Depart of Done Parly generator / Docker container builder Done Ma Yong (Ext) No Start May Yong (Ext) No No Start No No Start No Start No Start No Start No No No Start No Start No No No Start No Start No Start No No No No Start No Start No	
Interview SSI outsourcing for GoJS in SuZhou  CSS / Components improvements  Done  Zhang Dong Qian (Ext)  I18N from CREEM (zh-CN / en-US)  Not Start  Wang Ting  Fixe reported issues in existing features (SystemConfiguration / Tags_)  SubWorkflow design / implementation  Not Start  Wang Ting  Microservice Builder framework (e.g. FastAPI)  Open API generator / Docker container builder  Microservice CREEM Python Generator GUI  Not Start  Ma Yong (Ext)  Ma Yong (Ext)  Ma Yong (Ext)  No SPIDR  Open API generator / Docker container builder  Open API yong (Ext)  No  No  Pone  SPIDR Cdegenator in SPIDR / Executor (Long-temp Plan)  Ocontinuous  Done  Chee API generator / Docker container builder  Open API yong (Ext)  No  Open API generator / Docker container builder  Open API yong (Ext)  No  No  Open API generator / Docker container builder  Open API yong (Ext)  No  Open API yong (Ext)  No  Open API generator / Docker container builder  Open API yong (Ext)  No  Open	
CSS / Components improvements  Il8N from CREEM (zh-CN / en-US)  Not Start Wang Ting  Fixe reported issues in existing features (SystemConfiguration / Tags)  SubWorkflow design / implementation  Not Start Wang Ting  Microservice Builder framework (e.g. FastAPI)  Open API generator / Docker container builder  Open API generator / Docker container builder  CREEM Python Generator GUI  Will Microservice CREEM definition and doc  CREEM Python Generator in SPIDR / Executor (Long-term Plan)  SPIDR Code generator in SPIDR / Executor (Long-term Plan)  SPIDR SAR (SDK) integration  SPIDR Ramp up and hand-over  SPIDR screen CREEM Workflow a Parser (CREEM -> Node/Link), data + device  Done  CREEM Depth on Sample for 3rd Party Vendor  Done  CREEM CREEM Workflow integration  CREEM Specification & Base Schema  Continuous  CREM Specif	
Italian from CREEM (zh-CN / en-Us)   Not Start   Wang Ting	
Fixe reported issues in existing features (SystemConfiguration / Tags)  SubWorkflow design / implementation  Not Start  Wang Ting / Zhou Zhen Hua  Wind Windroservice Builder  Done  Ma Yong (Ext)  Not Start  Ma Yong (Ext)  Not Start  Ma Yong (Ext)  Microservice CREEM definition and doc  CREEM Python Generator GUI  Microservice CREEM definition and doc  SPIDR  Code generator in SPIDR / Executor (Long-term Plan)  SPIDR Rat (SDK) integration  SPIDR Rat (SDK) integration  SPIDR Rat (SDK) integration  CREEM Workflow Parser (CREEM - Node/Link), data + device  CREEM FB Template / Generated Python Sample for 3rd Party Vendor  CREEM CREEM Instance optimization(FB Rest, DevDesc Rest)  CREEM CREEM Specification & Base Schema  CREEM CREEM Specification & Base Schema  CREEM CREEM Specification & Base Schema  Continuous  CREEM Specification & Base Schema  Continuous  CREEM Specification & Base Schema  Continuous  Ali Yu Kai / Zhou Zhen Hua  No Wang Ting  No Wang Wang Ting  No Wang Wang Wang Ting  No Wang Wang Wang Wang Wang Wang Wang Wang	
SubWorkflow design / implementation  WMB Microservice Builder framework (e.g. FastAPI)  Done Ma Yong (Ext)  No Maryong (Ext)  Done Ma Yong (Ext)  Done Ma Yong (Ext)  Done Ma Yong (Ext)  Done Ma Yong (Ext)  Microservice CREEM Python Generator GUI  Microservice CREEM definition and doc  SPIDR Code generator in SPIDR / Executor (Long-term Plan)  SPIDR Code generator in SPIDR / Executor (Long-term Plan)  SPIDR Rad (SDK) integration  SPIDR Rad (SDK) integration  SPIDR Ramp up and hand-over  CREEM FB Template / Generated Python Sample for 3rd Party Vendor  CREEM CREEM Instance optimization(FB Rest, DevDesc Rest)  Done Zhou Zhen Hua  No  CREEM Specification & Base Schema  Continuous Zhou Zhen Hua  No  CREEM Specification & Base Schema  Continue Data Layer integration alignment  Data Layer interface  Preliminary Data Layer interface & SDK Data (more data)  Preliminary Data Layer interface & SDK Data (more data)  Ra A (SDK) interfaces with CREEM & SPIDR  Ra A (SDK) interfaces with CREEM & SPIDR  Ra (SDK) interfaces with CREEM & SPIDR  Done Zhang Chuan Yu  No  Zhang Chuan Yu  No  Zhang Chuan Yu  Wang Rui  No  Solidworks Danfoss 3D models created for ThreeJS  Solidworks Danfoss 3D models created for ThreeJS  Continuous  Xu Fang Ren (Intern)	
✓         WMB (Microservice Builder)         Microservice Builder framework (e.g. FastAPI)         Done         Ma Yong (Ext)         No           ✓         Open API generator / Docker container builder         Done         Ma Yong (Ext)         No           ✓         CREEM Python Generator GUI         Not Start         Ma Yong (Ext)           ✓         SPIDR         Code generator in SPIDR / Executor (Long-term Plan)         Continuous         Qu Yao         No           ✓         SPIDR & RA (SDK) integration         Continuous         Zhu Yi Peng         Peng           ✓         SPIDR Ramp up and hand-over         Continuous         Lu Ting / Wang Ting           ✓         SPIDR Ramp up and hand-over         Done         Lu Ting / Wang Ting           ✓         CREEM FB remplate / Generated Python Sample for 3rd Party Vendor         Done         Zhou Zhen Hua           ✓         CREEM FB remplate / Generated Python Sample for 3rd Party Vendor         Done         Zhou Zhen Hua         No           ✓         CREEM Instance optimization(FB Rest, DevDesc Rest)         Done         Zhou Zhen Hua         No           ✓         Data Layer Integration         Creatinuous         Zhou Zhen Hua         No         No           ✓         Data Layer Integration alignment         On Demand         Ji Yu Kai / Zhou	
✓ Microservice Builder)         Open API generator / Docker container builder         Done         Ma Yong (Ext)           ✓ REEM Python Generator GUI         Not Start         Ma Yong (Ext)           ✓ SPIDR         Code generator in SPIDR / Executor (Long-term Plan)         Continuous         Qu Yao         No           ✓ Fast solution - Run CREEM Workflow in CREEM (Py Deployment)         Done         Zhu Yi Peng         Zhu Yi Peng           ✓ SPIDR & RA (SDK) integration         Continuous         Lu Ting         Lu Ting           ✓ SPIDR: CREEM Workflow Parser (CREEM -> Node/Link), data + device         Done         Lu Ting / Wang Ting           ✓ CREEM FB Template / Generated Python Sample for 3rd Party Vendor         Done         Zhou Zhen Hua         No           ✓ CREEM GREEM Instance optimization(FB Rest, DevDesc Rest)         Done         Zhou Zhen Hua         No           ✓ CREEM Specification & Base Schema         Continuous         Zhou Zhen Hua         No           ✓ Data Layer Integration Integration alignment         On Demand         Ji Yu Kai / Zhou Zhen Hua         No           ✓ Preliminary Data Layer Interface & SDK Data (more data)         Done         Qu Yao         Layer sprint to Layer sprint to Layer integration alignment         On Demand         Ji Yu Kai / Zhou Zhen Hua         No WMB stort Layer integration alignment Layer integration alignment         On Demand         Ji Yu	
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CREEM Python Generator GUI Microservice CREEM definition and doc  SPIDR Code generator in SPIDR / Executor (Long-term Plan) Fast solution - Run CREEM Workflow in CREEM (Py Deployment) SPIDR & SPIDR & Code generator in SPIDR / Executor (Long-term Plan) SPIDR & RA (SDK) integration SPIDR & RA (SDK) integration SPIDR and hand-over SPIDR: CREEM Workflow Parser (CREEM -> Node/Link), data + device SPIDR: CREEM Workflow Parser (CREEM -> Node/Link), data + device CREEM FB Template / Generated Python Sample for 3rd Party Vendor CREEM CREEM Instance optimization(FB Rest, DevDesc Rest) CREEM CREEM Specification & Base Schema Continuous CREEM Specification & Base Schema Continuous CREEM Specification & Base Schema Continuous Data Layer Integration Data Layer integration alignment Data Layer interface Preliminary Data Layer Interface & SDK Data (more data) Preliminary Data Layer Interface & SDK Data (more data) No MWMB store And RA (SDK) interfaces with CREEM & SPIDR Done Thang Chuan Yu No No No Spidworks Danfoss 3D models created for ThreeJS Continuous No Solidworks Danfoss 3D models created for ThreeJS Continuous No Farsh Wang Rui No	
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Fast solution - Run CREEM Workflow in CREEM (Py Deployment)  SPIDR & RA (SDK) integration  SPIDR & RA (SDK) integration  SPIDR armp up and hand-over  COntinuous  SPIDR armp up and hand-over  SPIDR armp up and hand-over  CONTINUOUS  CREEM FB Template / Generated Python Sample for 3rd Party Vendor  Done  Zhou Zhen Hua  No  No  CREEM Specification & Base Schema  Continuous  Zhou Zhen Hua  No WMB stort  Layer sprint to the spring up and hand-over  SPIDR armp up and hand-over  CREEM FB Template / Generated Python Sample for 3rd Party Vendor  Done  Zhou Zhen Hua  No WMB stort  Layer sprint to the spring up and hand-over  SPIDR armp up and hand-over  CREEM FB Template / Generated Python Sample for 3rd Party Vendor  Done  Zhou Zhen Hua  No WMB stort  Layer sprint to the spring up and hand-over  SPIDR armp up and hand-over  SPIDR armp up and hand-over  Continuous  Thou Zhen Hua  No WMB Stort  Layer sprint to the spring up and hand-over  SpiDR armp up and hand-over  SpiDR armp up and hand-over  SpiDR armp up ard hand-over  SpiDR armp up ard hand-over  SpiDR armp up and hand-over  SpiDR armp up and hand-over  SpiDR armp up ard hand-over  SpiDR armp up ard hand-over  SpiDR armp up and hand-over  SpiDR armp up ard hand-over  SpiDR armp up and hand-over  SpiDR armp up ard hand-over  SpiDR armp up arm up armp up a	
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SPIDR ramp up and hand-over SPIDR: CREEM Workflow Parser (CREEM -> Node/Link), data + device CREEM FB Template / Generated Python Sample for 3rd Party Vendor CREEM CREEM Instance optimization(FB Rest, DevDesc Rest) Done CREEM Specification & Base Schema Continuous CREEM Specification & Base Schema Continuous Data Layer Integration Data Layer interface Pending Qu Yao Preliminary Data Layer Interface & SDK Data (more data) Preliminary Data Layer Interface & SPIDR No RA (SDK) interfaces with CREEM & SPIDR Done RA (SDK) interfaces with WMB Lead Through (WebSocket) Not Start SD Simulation (Demo purpose) Solidworks Danfoss 3D models created for ThreeJS Continuous Lu Ting Lu Ting / Wang Ting Lu Ting / Wa	
SPIDR: CREEM Workflow Parser (CREEM -> Node/Link), data + device Done Lu Ting / Wang Ting  CREEM FB Template / Generated Python Sample for 3rd Party Vendor Done Zhou Zhen Hua  CREEM Instance optimization(FB Rest, DevDesc Rest) Done Zhou Zhen Hua  CREEM Specification & Base Schema Continuous Zhou Zhen Hua  Data Layer Integration Data Layer integration alignment Data Layer integration alignment Data Layer interface Preliminary Data Layer Interface & SDK Data (more data) Done Qu Yao / Zhang Chuan Yu  RA RA (SDK) interfaces with CREEM & SPIDR Done Zhang Chuan Yu  Investigate more parameters in Robotic SDK RA (SDK) interfaces with WMB Lead Through (WebSocket) Not Start Zhang Chuan Yu  3D Simulation (Demo purpose) Solidworks Danfoss 3D models created for ThreeJS Continuous Xu Fang Ren (Intern)	
CREEM FB Template / Generated Python Sample for 3rd Party Vendor  CREEM CREEM Instance optimization(FB Rest, DevDesc Rest)  CREEM Specification & Base Schema  Continuous  Continuous  Zhou Zhen Hua  No  CREEM Specification & Base Schema  Continuous  Zhou Zhen Hua  No  WMB stor  Layer Integration  Data Layer Integration  Data Layer interface  Pending  Qu Yao  Preliminary Data Layer Interface & SDK Data (more data)  Preliminary Data Layer Interface & SDK Data (more data)  RA  RA (SDK) interfaces with CREEM & SPIDR  Investigate more parameters in Robotic SDK  RA (SDK) interfaces with WMB Lead Through (WebSocket)  Not Start  Zhang Chuan Yu  No  Solidworks Danfoss 3D models created for ThreeJS  Continuous  Xu Fang Ren (Intern)	
CREEM CREEM Instance optimization(FB Rest, DevDesc Rest)  CREEM Specification & Base Schema  Continuous Zhou Zhen Hua  Data Layer Integration  Integration  Data Layer interface  Preliminary Data Layer Interface & SDK Data (more data)  Preliminary Data Layer Interface & SPIDR  RA (SDK) interfaces with CREEM & SPIDR  Investigate more parameters in Robotic SDK  RA (SDK) interfaces with WMB Lead Through (WebSocket)  RA (SDK) interfaces with WMB Lead Through (WebSocket)  Solidworks Danfoss 3D models created for ThreeJS  Continuous  Zhou Zhen Hua  No WMB stor  Layer sprint to Dury Yao  Qu Yao  Preliminary Data Layer integration alignment  Done  Qu Yao  Zhang Chuan Yu  No  No  Xu Fang Chuan Yu  No  Xu Fang Ren (Intern)	
CREEM Specification & Base Schema  Continuous  Zhou Zhen Hua  Continue Data Layer Integration  Data Layer Integration  Data Layer interface  Pending  Qu Yao  Preliminary Data Layer Interface & SDK Data (more data)  Pending  Qu Yao  Qu Yao / Zhang Chuan Yu  RA  RA (SDK) interfaces with CREEM & SPIDR  Investigate more parameters in Robotic SDK  RA (SDK) interfaces with WMB Lead Through (WebSocket)  RA (SDK) interfaces with WMB Lead Through (WebSocket)  Not Start  Zhang Chuan Yu  Vang Rui  Solidworks Danfoss 3D models created for ThreeJS  Continuous  Xu Fang Ren (Intern)	
Data Layer Integration  Data Layer integration Data Layer integration alignment  Data Layer interface  Pending  Qu Yao  Preliminary Data Layer Interface & SDK Data (more data)  RA  RA  RA (SDK) interfaces with CREEM & SPIDR  Investigate more parameters in Robotic SDK  RA (SDK) interfaces with WMB Lead Through (WebSocket)  RA (SDK) interfaces with WMB Lead Through (WebSocket)  RA (SDK) interfaces with WMB workflow for demo purpose (ThreeJS)  Solidworks Danfoss 3D models created for ThreeJS  Continuous  Xu Fang Ren (Intern)	
Integration       Data Layer interface       Pending       Qu Yao       Layer sprint user spri	
Data Layer Interface  Pending  Qu Yao  Preliminary Data Layer Interface & SDK Data (more data)  Done  Qu Yao / Zhang Chuan Yu  No  RA  RA (SDK) interfaces with CREEM & SPIDR  Investigate more parameters in Robotic SDK  Done  Zhang Chuan Yu / Liao Liang  RA (SDK) interfaces with WMB Lead Through (WebSocket)  Not Start  Zhang Chuan Yu  And Chuan Yu  Solidworks Danfoss 3D models created for ThreeJS  Continuous  Xu Fang Ren (Intern)	is planned in Data
RA (SDK) interfaces with CREEM & SPIDR  Investigate more parameters in Robotic SDK  RA (SDK) interfaces with WMB Lead Through (WebSocket)  RA (SDK) interfaces with WMB Lead Through (WebSocket)  Not Start Zhang Chuan Yu  3D Simulation (Demo purpose)  Solidworks Danfoss 3D models created for ThreeJS  Continuous Xu Fang Ren (Intern)	atii 07.16
Investigate more parameters in Robotic SDK  RA (SDK) interfaces with WMB Lead Through (WebSocket)  3D Simulation (Demo purpose)  Solidworks Danfoss 3D models created for ThreeJS  Done  Zhang Chuan Yu / Liao Liang  Not Start  Zhang Chuan Yu  Continuous  Wang Rui  No  Solidworks Danfoss 3D models created for ThreeJS  Continuous  Xu Fang Ren (Intern)	
RA (SDK) interfaces with WMB Lead Through (WebSocket)  3D Simulation (Demo purpose)  Solidworks Danfoss 3D models created for ThreeJS  Not Start Zhang Chuan Yu  Continuous Wang Rui  No  Continuous Xu Fang Ren (Intern)	
3D Simulation (Demo purpose)  3D visualization of WMB workflow for demo purpose (ThreeJS)  Continuous  Wang Rui  No  Solidworks Danfoss 3D models created for ThreeJS  Continuous  Xu Fang Ren (Intern)	
(Demo purpose) Solidworks Danfoss 3D models created for ThreeJS Continuous Xu Fang Ren (Intern)	
Solidworks Danfoss 3D models created for ThreeJS  Continuous  Xu Fang Ren (Intern)	
3D visualization & WMB interface definition and integration Not Start Wang Rui / Wang Ting	
CREEM Cyclic for independent 3D visualization parser  Not Start  Wang Rui / Zhou Zhen Hua	
	k (AppComposer
	sues in FBs for Forte; is not tested.)
Keyence Barcode Scanner python driver - Refactored  Done  Hu Ye / Li Ji	
Python driver code review / Pythonnet investigation  Done  Lu Ting	
AppComposer Vision (Hikon Camera, ImageSource as a backup)  On Track  Yao Wei	
Vision service deployment in Windows test  Archived  Yao Wei	
MES interface and Formula Table architecture further  On Track  Liao Liang / Zhou Zhen Hua	
Danfoss Newest Workflow -> WMB FBTD Low-code  On Track  Liao Liang / Zhou Zhen Hua	
General Business Support Continuous Huang Chang Xia No	
Product Manager (Customer Visit, FR)  Continuous  Liao Liang	
Product Owner (Product Backlog, Scrum Meetings)  Continuous  Liao Liang	
Scrum Master (Sprint Backlog, Gitlab, Scrum Meetings)  Continuous  Zhou Zhen Hua / Wang Ting	
Architecture (WMB, SPIDR, CREEM, RA and Danfoss Use Case)  Continuous  Zhou Zhen Hua	
DevOps & CI/CD (Siemens Website) Support - http://creem.siemens.net  Done  Hartanto Victor	
Patent (CREEM and Low-code Appearance)  Continuous  Zhou Zhen Hua	

## Sprint Review (06.09~06.22)

	Sub System	Task	Status	Main Contributor	Impediment & Risk
<b>✓</b>	WMB	Device Library CREEM Parser / TreeView UI	Done	Wang Ting	Resource Risk (We will interview
<b>✓</b>		Device Tree (System Configuration) CREEM Parser / Tree UI	Done	Wang Ting	outsourcing both in Shanghai and Suzhou. Lu Ting team will have one colleague to support - on board
<b>✓</b>		Parameter Panel (Port value editor) - data from CREEM	Done	Huang Xin	
<b>✓</b>		Device Tree & FB Library binding, first version	Done	Wang Ting	07.05.)
		CREEM Workflow Parser (GoJS -> CREEM), add data links	Not Start	Wang Ting	
		Improved AWS Deployment (Lambda, Serverless) for NestJS version	Not Start	Huang Xin	
		Cross-platform local deployment Windows/Linux/MacOS (Electron)	Not Start	Zhang Dong Qian (Ext)	
		Expression Editor in Parameter Panel for Logics (first edition)	Not Start	Huang Xin	
<b>√</b>		IQC and other advanced decorators; pre-interpreter	Done	Wang Ting	
		NestJS refactoring to store FBs in file system	Not Start	Huang Xin / Wang Ting	
<b>✓</b>		Device Library / Tree design and CREEM for WMB	Done	Zhou Zhen Hua	
<b>✓</b>		Continue low-code paradigm (New FBTD for Danfoss use case)	Done	Zhou Zhen Hua	
✓		Improved CI/CD (AWS, Electron, NestJS)	Continuous	Huang Xin	
<b>✓</b>		Interview outsourcing for JavaScript (ES) foundation	Continuous	Wang Ting	
<b>✓</b>		Interview outsourcing for React / CSS component	Done	Huang Xin	
		CSS / Components improvements	Not Start	Zhang Dong Qian (Ext)	
		I18N from CREEM (zh-CN / en-US)	Not Start	Wang Ting	
<b>~</b>		Generate Tags automatically for GOTO and Work Instruction generation	Done	Wang Ting	
<b>✓</b>		Documentation (WIKI) for customized components	Done	Huang Xin	
		SubWorkflow design / implementation	Not Start	Wang Ting / Zhou Zhen Hua	
	WMB	Microservice Builder framework (e.g. FastAPI)	On Track	Ma Yong (Ext)	No
	(Microservice Builder)	Open API generator / Docker container builder	Not Start	Ma Yong (Ext)	
	Danaciy	CREEM Python Generator	Not Start	Ma Yong (Ext)	
<b>✓</b>	SPIDR	Code generator in SPIDR / Execute CREEM workflow in SPIDR	Done	Qu Yao	No.
<b>√</b>		WebSocket connection using Tornado framework	Done	Qu Yao	
<b>✓</b>		Fast solution - Run CREEM Workflow in CREEM (event only)	Done	Zhu Yi Peng	
		SPIDR & RA (SDK) integration	Not Start	Zhu Yi Peng	
		SPIDR ramp up and hand-over	On Track	Lu Ting	
		SPIDR: CREEM Workflow Parser (CREEM -> Node/Link), data + device	Not Start	Wang Ting	
<b>✓</b>		Interview outsourcing for SPIDR (Python)	Done	Zhou Zhen Hua	
✓	CREEM	CREEM Architecture & Communication	Continuous	Zhou Zhen Hua	No
<b>✓</b>		CREEM Instance (FB Rest, DevDesc Rest, Project)	Done	Zhou Zhen Hua	
<b>√</b>		CREEM optimization for WMB & Part of schema	Done	Zhou Zhen Hua	
	Data Layer	Continue Data Layer integration alignment	On Demand	Ji Yu Kai / Zhou Zhen Hua	No WMB story is planned in Data
	Integration	Data Layer interface	Pending	Qu Yao	Layer sprint until 07.16
<b>✓</b>		Preliminary Data Layer Interface & SDK Data (Joint points data)	Done	Qu Yao	
✓	RA	First edition of RA Container framework (for SDK)	Done	Zhang Chuan Yu	No
<b>✓</b>		Win10 WSL Deployment	Done	Zhang Chuan Yu	
		RA (SDK) interfaces with WMB / SPIDR	Not Start	Zhang Chuan Yu	
<b>✓</b>	CCT Review	CCT Review Part 3 Presentation	Done	Chen Yi Jia	Done
✓	Part 3	CCT Review Part 3 Requirement Further Discussion	Done	Huang Chang Xia / Chen Yi Jia / Liao Liang / Zhou Zhen Hua	
	Danfoss	IPC (AppComposer, USB Dongle, SPIDR/Forte) for Danfoss	Risk	Hu Ye / Liao Liang	Technical Risk (AppComposer
<b>~</b>		Build Danfoss/Aubo test environment in Beijing Lab	Done	Hu Ye / Li Ji	V48/49 has issues in FBs for Forte; SPIDR version is not tested.)
<b>~</b>		AppComposer X-Function (Keyence Barcode Scanner)	Done	Hu Ye / Li Ji	23.2 Ioroion to not tested.)
		AppComposer Vision (Hikon Camera, ImageSource as a backup)	Risk	Yao Wei	
		Vision service deployment in Windows test	Not Start	Yao Wei	
		MES interface and Formula Table architecture further	On Track	Liao Liang / Zhou Zhen Hua	
		Danfoss Newest Workflow -> WMB FBTD Low-code	On Track	Liao Liang / Zhou Zhen Hua	
<b>✓</b>	General	Business Support	Continuous	Huang Chang Xia	No
<b>V</b>		Product Manager (Customer Visit, FR)	Continuous	Liao Liang	
<b>V</b>		Product Owner (Product Backlog, Scrum Meetings)	Continuous	Liao Liang	
<b>V</b>		Scrum Master (Sprint Backlog, Gitlab, Scrum Meetings)	Continuous	Zhou Zhen Hua / Wang Ting	
_		(		Zhou Zhen Hua	
		Architecture (WMB, SPIDR, CREEM, RA and Danfoss Use Case)	Continuous	Zilou Zileli ilua	
<b>V</b>		Architecture (WMB, SPIDR, CREEM, RA and Danfoss Use Case)  DevOps & CI/CD (Siemens Website) Support	On Demand	Hartanto Victor	

## Sprint Review (05.26~06.08)

	Sub System	Task	Status	Main Contributor	Impediment & Risk
<b>✓</b>	WMB	FB Library and CREEM Parser	Done	Wang Ting	No
<b>~</b>		FB and CREEM Parser	Done	Wang Ting	
<b>✓</b>		Monaco Editor for FB (CREEM, Python, Dialog UI Source) - Framework is done	Archived	Huang Xin	
<b>✓</b>		FBTD Low-code Paradigm (Parallel, If, Switch, Repeat)	Done	Wang Ting	
<b>✓</b>		CREEM Workflow Parser (GoJS -> CREEM), only event links	Done	Wang Ting	
		Improved AWS Deployment (Lambda, Serverless) for NestJS version	Not Start	Huang Xin	
		Cross-platform local deployment Windows/Linux/MacOS (Electron)	Not Start	NN1 (Outsourcing) 6.10 on-board	
<b>✓</b>		CREEM Vest FB Dialog (MoveLinear/MoveJoints) UI Mockup	Done	Huang Xin	
<b>✓</b>		Parameter Panel (Port value editor) - Customized components	Done	Huang Xin	
		NestJS refactoring to store FBs in file system	Not Start	Wang Ting / Huang Xin	
<b>✓</b>		System Configuration paradigm design (DD, DL and DT)	Done	Zhou Zhen Hua	
<b>✓</b>		Continue low-code paradigm (New FBTD based on Danfoss use case)	Done	Zhou Zhen Hua	
<b>~</b>		Improved CI/CD (AWS, Electron, NestJS)	Continuous	Huang Xin	
<b>✓</b>		Interview outsourcing for JavaScript (ES) foundation (one passed)	Continuous	Wang Ting	
<b>✓</b>		Interview outsourcing for React / CSS component (one passed)	Continuous	Huang Xin	
	WMB	Microservice Builder framework (e.g. FastAPI)	Not Start	NN2 (Outsourcing) 6.18 on-board	No
	(Microservice Builder)	Docker container builder	Not Start	NN2 (Outsourcing)	
		Open API generator	Not Start	NN2 (Outsourcing)	
$\checkmark$		Interview outsourcing for Microservice Builder (Python) (one passed)	Done	Zhou Zhen Hua	
<b>\</b>	SPIDR	SPIDR: CREEM Workflow Parser (CREEM -> Node/Link), event only	Done	Wang Ting (Overtime)	Resource Risk (Qu Yao needs more
		Code generator in SPIDR & Convert CREEM to tree structure investigation	Risk	Qu Yao	time to ramp up SPIDR)
		SPIDR & RA (SDK) integration	Not Start	Zhu Yi Peng	
<b>✓</b>		Preliminary SPIDR code structure improvements for WMB	Done	Qu Yao	
		SPIDR ramp up and hand-over	On Track	Qu Yao / Zhu Yi Peng	
		Interview outsourcing for SPIDR (Python)	On Track	Zhou Zhen Hua	
$\checkmark$	CREEM	CREEM Architecture & Communication	Done	Zhou Zhen Hua	No
<b>✓</b>		CREEM Instance (FB Rest, DevDesc, Device Library, Configuration, Project)	Done	Zhou Zhen Hua	
$\checkmark$	Data Layer	Continue Data Layer integration alignment	Done	Ji Yu Kai / Zhou Zhen Hua	No
	Integration	Preliminary Data Layer Interface & SDK Data	Not Start	Qu Yao / Zhang Chuan Yu	
<b>✓</b>	RA	Preliminary RA Container framework (for SDK)	Done	Zhang Chuan Yu	No
<b>✓</b>		RA Architecture Alignment	Done	Zhang Chuan Yu / Zhou Zhen Hua	
	CCT Review Part 3	CCT Review Part 3 Presentation	On Track	Chen Yi Jia	No
<b>✓</b>	T dit 5	CCT Review Part 3 Requirement Further Discussion	Done	Huang Chang Xia / Chen Yi Jia / Liao Liang / Zhou Zhen Hua	
	Danfoss	IPC (AppComposer, USB Dongle, SPIDR/Forte) for Danfoss	On Track	Liao Liang / Zhu Yi Peng / Hu Ye	Wait for AUBO robot to test Python drivers, planned date for Danfoss is
$\checkmark$		AppComposer X-Function (Altas Torque Wrench Driver)	Done	Hu Ye / Li Ji	6.22; Technical Risk (AppComposer
		AppComposer X-Function (Keyence Barcode Scanner)	On Track	Hu Ye / Li Ji	V49 has issues to integrate Vision)
		AppComposer Vision (Hikon Camera, ImageSource as a backup)	Risk	Yao Wei	
		Vision service deployment in Windows test	Not Start	Yao Wei	
<b>✓</b>		MES interface and Formula Table architecture	Done	Liao Liang / Zhou Zhen Hua	
<b>✓</b>	General	Business Support	Continuous	Huang Chang Xia	No
<b>✓</b>		Product Manager (Customer Visit, FR)	Continuous	Liao Liang	
$\checkmark$		Product Owner (Product Backlog, Scrum Meetings)	Continuous	Liao Liang	
<b>✓</b>		Scrum Master (Sprint Backlog, Gitlab, Scrum Meetings)	Continuous	Wang Ting / Zhou Zhen Hua	
<b>✓</b>		Architecture (WMB, SPIDR, CREEM, RA and Danfoss Use Case)	Continuous	Zhou Zhen Hua	
		DevOps & CI/CD (Siemens Website) Support	On Demand	Hartanto Victor	
		Patent (WMB and others)	On Track	Zhou Zhen Hua	

# Sprint Review (05.12 ~ 05.25)

	Sub System	Task	Status	Main Contributor	Impediment & Risk
<b>✓</b>	WMB	Responsive UX for different screen resolutions (Ant Design)	Done	Wang Ting	No
		Preliminary WMB Framework (React / NodeJS / indexdb)	Done	Wang Ting / Huang Xin	
		Preliminary GoJS Low-code framework	Done	Wang Ting	
		Preliminary low-code FBTD paradigm in GoJS	Done	Wang Ting	
<b>✓</b>		Preliminary AWS Deployment (Static)	Done	Huang Xin	
		Cross-platform local deployment Windows/Linux/MacOS (pkg)	Done	Wang Ting	
<b>✓</b>		Preliminary responsive design (Wireframe, Design Language)	Done	Zhou Zhen Hua	
		Preliminary low-code paradigm design (New FBTD)	Done	Zhou Zhen Hua	
		Preliminary CI/CD	Done	Huang Xin	
	WMB	Microservice Builder framework (e.g. FastAPI)	Not Start	Qu Yao / Wang Ting	No
	(Microservice Builder)	Docker container builder	Not Start	Qu Yao	
		Open API generator	Not Start	Qu Yao / Wang Ting	
<b>~</b>	SPIDR	Multiple workcell deployment in Old SPIDR (FBT version)	Done	Zhu Yi Peng	Resource Risk (Yi Peng can only
		Preliminary HTTP API in Old SPIDR (Flask)	Done	Zhu Yi Peng	support limited part time, Qu Yao needs some time to ramp up SPIDR)
		SPIDR ramp up and hand-over	On Track	Qu Yao / Zhu Yi Peng	
	CREEM	CREEM Architecture & Communication	Done	Zhou Zhen Hua	No
		CREEM Instance (FB, FB Library, Workflow)	Done	Zhou Zhen Hua	
	Data Layer	Preliminary Data Layer integration alignment	Done	Ji Yu Kai / Zhou Zhen Hua	No
	Integration	Preliminary Data Layer Interface	On Track	Qu Yao	
	RA	Preliminary RA Container framework (for SDK)	On Track	Zhang Chuan Yu	No
$\checkmark$		RA Architecture Alignment	Done	Zhang Meng / Zhang Chuan Yu / Zhou Zhen Hua	
	CCT Review	CCT Review Part 3 Presentation	On Track	Chen Yi Jia	Live demo is cancelled
<b>✓</b>	Part 3	CCT Review Part 3 Requirement Discussion	Done	Huang Chang Xia / Chen Yi Jia / Liao Liang / Zhou Zhen Hua	
		Mendix REST Microservice interface (for live demo)	Done	Wang Ting	
	Danfoss	IPC (AppComposer, USB Dongle, SPIDR/Forte) for Danfoss	On Track	Liao Liang / Zhu Yi Peng / Hu Ye	Resource Risk (Hu Ye / Yao Wei / Li
$\checkmark$		Technical alignment via customer visit	Done	Liao Liang / The Team	Ji are busy in SDPM 6.18 Review tasks and do not have enough time
		AppComposer X-Function (Altas Torque Wrench Driver)	Not Start	Hu Ye / Li Ji	to support WMB project in Sprint 1); Technical Risk (AppComposer V47
		AppComposer X-Function (Keyence Barcode Scanner)	Not Start	Hu Ye / Li Ji	has issues to integrate Vision)
		AppComposer Vision (Hikon Camera, ImageSource as a backup)	Risk	Yao Wei / Sun Zhong Yang	
<b>✓</b>	General	Business Support	Continuous	Huang Chang Xia / Wang Mo	No
<b>✓</b>		Product Manager (Customer Visit, FR)	Continuous	Liao Liang	
$\checkmark$		Product Owner (Product Backlog, Scrum Meetings)	Continuous	Liao Liang	
<b>✓</b>		Scrum Master (Sprint Backlog, Gitlab, Scrum Meetings)	Continuous	Zhou Zhen Hua / Wang Ting	
<b>~</b>		Architecture (WMB, SPIDR, CREEM, RA and Danfoss Use Case)	Continuous	Zhou Zhen Hua	
<b>✓</b>		DevOps & CI/CD (Siemens Website) Support	On Demand	Hartanto Victor	
		Patent (WMB and others)	On Track	Zhou Zhen Hua	