Sprint Review (06.09~06.22)

	Sub System	Task	Status	Main Contributor	Impediment & Risk
☑	WMB	Device Library CREEM Parser / TreeView UI	Done	Wang Ting	Resource Risk (We will interview outsourcing both in Shanghai and Suzhou. Lu Ting team will have one colleague to support - on board 07.05.)
☑		Device Tree (System Configuration) CREEM Parser / Tree UI	Done	Wang Ting	
☑		Parameter Panel (Port value editor) - data from CREEM	Done	Huang Xin	
☑		Device Tree & FB Library binding, first version	Done	Wang Ting	
☐		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	
☑		IQC and other advanced decorators; pre-interpreter	Done	Wang Ting	
☐		NestJS refactoring to store FBs in file system	Not Start	Huang Xin / Wang Ting	
☑		Device Library / Tree design and CREEM for WMB	Done	Zhou Zhen Hua	
☑		Continue low-code paradigm (New FBTD for Danfoss use case)	Done	Zhou Zhen Hua	
☑		Improved CI/CD (AWS, Electron, NestJS)	Continuous	Huang Xin	
☑		Interview outsourcing for JavaScript (ES) foundation	Continuous	Wang Ting	
☑		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	
☑		Generate Tags automatically for GOTO and Work Instruction generation	Done	Wang Ting	
☑		Documentation (WIKI) for customized components	Done	Huang Xin	
☐		SubWorkflow design / implementation	Not Start	Wang Ting / Zhou Zhen Hua	
☐	WMB (Microservice Builder)	Microservice Builder framework (e.g. FastAPI)	On Track	Ma Yong (Ext)	No
☐		Open API generator / Docker container builder	Not Start	Ma Yong (Ext)	
☐		CREEM Python Generator	Not Start	Ma Yong (Ext)	
☑	SPIDR	Code generator in SPIDR / Execute CREEM workflow in SPIDR	Done	Qu Yao	No.
☑		WebSocket connection using Tornado framework	Done	Qu Yao	
☑		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	
☑		Interview outsourcing for SPIDR (Python)	Done	Zhou Zhen Hua	
☑	CREEM	CREEM Architecture & Communication	Continuous	Zhou Zhen Hua	No
☑		CREEM Instance (FB Rest, DevDesc Rest, Project)	Done	Zhou Zhen Hua	
☑		CREEM optimization for WMB & Part of schema	Done	Zhou Zhen Hua	
☐	Data Layer Integration	Continue Data Layer integration alignment	On Demand	Ji Yu Kai / Zhou Zhen Hua	No WMB story is planned in Data Layer sprint until 07.16
☐		Data Layer interface	Pending	Qu Yao	
☑		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
☑		Win10 WSL Deployment	Done	Zhang Chuan Yu	
☐		RA (SDK) interfaces with WMB / SPIDR	Not Start	Zhang Chuan Yu	
☑	CCT Review Part 3	CCT Review Part 3 Presentation	Done	Chen Yi Jia	Done
☑		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 V48/49 has issues in FBs for Forte; SPIDR version is not tested.)
☑		Build Danfoss/Aubo test environment in Beijing Lab	Done	Hu Ye / Li Ji	
☑		AppComposer X-Function (Keyence Barcode Scanner)	Done	Hu Ye / Li Ji	
☐		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	
☑	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	On Demand	Hartanto Victor	
☑		Patent (WMB, CREEM and others); First WMB delivery this Sprint	Done	Zhou Zhen Hua	

Sprint Planning (06.23~07.06)

	Sub System	Task	Status	Main Contributor	Impediment & Risk
☐	WMB	Device Library CREEM Parser / UI	On Track	Wang Ting	Resource Risk (We will interview outsourcing both in Shanghai and Suzhou. Lu Ting team will have one new colleague to support - on board 07.05.)
☐		Communication parameter settings Panel for Devices	On Track	Wang Ting	
☐		Data source from CREEM for Parameter Panel	On Track	Wang Ting	
☐		WebSocket connection to SPIDR/RA (Low Priority)	On Track	Huang Xin	
☐		CREEM Workflow Parser (GoJS -> CREEM), add data links	On Track	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, continue	On Track	Huang Xin	
☐		IQC and other advanced decorators; pre-interpreter, continue	On Track	Wang Ting	
☐		NestJS refactoring to store FBs in file system	On Track	Huang Xin	
☐		Code ramp up and add comments / React I18N improvement	On Track	Zhang Dong Qian (Ext)	
☐		Continue low-code paradigm / CREEM support	Continuous	Zhou Zhen Hua	
☐		Improved CI/CD (AWS, Electron, NestJS)	Continuous	Huang Xin	
☐		Device Tree & FB Logical Node binding	On Track	Wang Ting	
☐		Interview SSI outsourcing for GoJS in SuZhou	On Track	Wang Ting	
☐		CSS / Components improvements	Not Start	Zhang Dong Qian (Ext)	
☐		I18N from CREEM (zh-CN / en-US)	Not Start	Wang Ting	
☐		Fixe reported issues in existing features (SystemConfiguration / Tags…)	On Track	Wang Ting / Huang Xin	
☐		SubWorkflow design / implementation	Not Start	Wang Ting / Zhou Zhen Hua	
☐	WMB (Microservice Builder)	Microservice Builder framework (e.g. FastAPI)	On Track	Ma Yong (Ext)	No
☐		Open API generator / Docker container builder	On Track	Ma Yong (Ext)	
☐		CREEM Python Generator GUI	Not Start	Ma Yong (Ext)	
☐		Microservice CREEM definition and doc	Not Start	Zhou Zhen Hua	
☐	SPIDR	Code generator in SPIDR / Executor (Long-term Plan)	On Track	Qu Yao	No
☐		Fast solution - Run CREEM Workflow in CREEM (Py Deployment)	On Track	Zhu Yi Peng	
☐		SPIDR & RA (SDK) integration	On Track	Zhu Yi Peng	
☐		SPIDR ramp up and hand-over	On Track	Lu Ting	
☐		SPIDR: CREEM Workflow Parser (CREEM -> Node/Link), data + device	On Track	Wang Ting	
☐		CREEM FB Template / Generated Python Sample for 3rd Party Vendor	On Track	Zhou Zhen Hua	
☐	CREEM	CREEM Instance optimization(FB Rest, DevDesc Rest)	On Track	Zhou Zhen Hua	No
☐		CREEM Specification & Base Schema	Continuous	Zhou Zhen Hua	
☐	Data Layer Integration	Continue Data Layer integration alignment	On Demand	Ji Yu Kai / Zhou Zhen Hua	No WMB story is planned in Data Layer sprint until 07.16
☐		Data Layer interface	Pending	Qu Yao	
☐		Preliminary Data Layer Interface & SDK Data (more data)	On Track	Qu Yao / Zhang Chuan Yu	
☐	RA	RA (SDK) interfaces with CREEM & SPIDR	On Track	Zhang Chuan Yu	No
☐		Investigate more parameters in Robotic SDK	On Track	Zhang Chuan Yu / Liao Liang	
☐		RA (SDK) interfaces with WMB Lead Through (WebSocket)	Not Start	Zhang Chuan Yu	
☐	3D Simulation (Demo purpose)	3D visualization of WMB workflow for demo purpose (ThreeJS)	On Track	Wang Rui	No
☐		Solidworks Danfoss 3D models created for ThreeJS	On Track	Xu Fang Ren (Intern)	
☐		3D visualization & WMB interface definition and integration	Not Start	Wang Rui / Wang Ting	
☐		CREEM Cyclic for independent 3D visualization parser	On Track	Wang Rui / Zhou Zhen Hua	
☐	Danfoss	IPC (AppComposer, USB Dongle, SPIDR/Forte) for Danfoss	On Track	Hu Ye / Liao Liang	Technical Risk (AppComposer V48/49 has issues in FBs for Forte; SPIDR version is not tested.)
☐		Atlas torque wrench python driver - Refactored	On Track	Hu Ye / Li Ji	
☐		Keyence Barcode Scanner python driver - Refactored	On Track	Hu Ye / Li Ji	
☐		Python driver code review / Pythonnet investigation	On Track	Lu Ting	
☐		AppComposer Vision (Hikon Camera, ImageSource as a backup)	On Track	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	
☐	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	On Demand	Hartanto Victor	
☐		Patent (CREEM and Low-code Appearance)	On Track	Zhou Zhen Hua	

Sprint Review (05.26~06.08)

	Sub System	Task	Status	Main Contributor	Impediment & Risk
☑	WMB	FB Library and CREEM Parser	Done	Wang Ting	No
☑		FB and CREEM Parser	Done	Wang Ting	
☑		Monaco Editor for FB (CREEM, Python, Dialog UI Source) - Framework is done	Archived	Huang Xin	
☑		FBTD Low-code Paradigm (Parallel, If, Switch, Repeat …)	Done	Wang Ting	
☑		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	
☑		CREEM Vest FB Dialog (MoveLinear/MoveJoints) UI Mockup	Done	Huang Xin	
☑		Parameter Panel (Port value editor) - Customized components	Done	Huang Xin	
☐		NestJS refactoring to store FBs in file system	Not Start	Wang Ting / Huang Xin	
☑		System Configuration paradigm design (DD, DL and DT)	Done	Zhou Zhen Hua	
☑		Continue low-code paradigm (New FBTD based on Danfoss use case)	Done	Zhou Zhen Hua	
☑		Improved CI/CD (AWS, Electron, NestJS)	Continuous	Huang Xin	
☑		Interview outsourcing for JavaScript (ES) foundation (one passed)	Continuous	Wang Ting	
☑		Interview outsourcing for React / CSS component (one passed)	Continuous	Huang Xin	
☐	WMB (Microservice Builder)	Microservice Builder framework (e.g. FastAPI)	Not Start	NN2 (Outsourcing) 6.18 on-board	No
☐		Docker container builder	Not Start	NN2 (Outsourcing)	
☐		Open API generator	Not Start	NN2 (Outsourcing)	
☑		Interview outsourcing for Microservice Builder (Python) (one passed)	Done	Zhou Zhen Hua	
☑	SPIDR	SPIDR: CREEM Workflow Parser (CREEM -> Node/Link), event only	Done	Wang Ting **(Overtime)**	Resource Risk (Qu Yao needs more time to ramp up SPIDR)
☐		Code generator in SPIDR & Convert CREEM to tree structure investigation	Risk	Qu Yao	
☐		SPIDR & RA (SDK) integration	Not Start	Zhu Yi Peng	
☑		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	
☑	CREEM	CREEM Architecture & Communication	Done	Zhou Zhen Hua	No
☑		CREEM Instance (FB Rest, DevDesc, Device Library, Configuration, Project)	Done	Zhou Zhen Hua	
☑	Data Layer Integration	Continue Data Layer integration alignment	Done	Ji Yu Kai / Zhou Zhen Hua	No
☐		Preliminary Data Layer Interface & SDK Data	Not Start	Qu Yao / Zhang Chuan Yu	
☑	RA	Preliminary RA Container framework (for SDK)	Done	Zhang Chuan Yu	No
☑		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
☑		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 6.22; Technical Risk (AppComposer V49 has issues to integrate Vision)
☑		AppComposer X-Function (Altas Torque Wrench Driver)	Done	Hu Ye / Li Ji	
☐		AppComposer X-Function (Keyence Barcode Scanner)	On Track	Hu Ye / Li Ji	
☐		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	Done	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	Wang Ting / Zhou Zhen Hua	
☑		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
☑	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	
☑		Preliminary AWS Deployment (Static)	Done	Huang Xin	
☑		Cross-platform local deployment Windows/Linux/MacOS (pkg)	Done	Wang Ting	
☑		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)	Microservice Builder framework (e.g. FastAPI)	Not Start	Qu Yao / Wang Ting	No
☐		Docker container builder	Not Start	Qu Yao	
☐		Open API generator	Not Start	Qu Yao / Wang Ting	
☑	SPIDR	Multiple workcell deployment in Old SPIDR (FBT version)	Done	Zhu Yi Peng	Resource Risk (Yi Peng can only support limited part time, Qu Yao needs some time to ramp up SPIDR)
☑		Preliminary HTTP API in Old SPIDR (Flask)	Done	Zhu Yi Peng	
☐		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 Integration	Preliminary Data Layer integration alignment	Done	Ji Yu Kai / Zhou Zhen Hua	No
☐		Preliminary Data Layer Interface	On Track	Qu Yao	
☐	RA	Preliminary RA Container framework (for SDK)	On Track	Zhang Chuan Yu	No
☑		RA Architecture Alignment	Done	Zhang Meng / Zhang Chuan Yu / Zhou Zhen Hua	
☐	CCT Review Part 3	CCT Review Part 3 Presentation	On Track	Chen Yi Jia	Live demo is cancelled
☑		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 Ji are busy in SDPM 6.18 Review tasks and do not have enough time to support WMB project in Sprint 1); Technical Risk (AppComposer V47 has issues to integrate Vision)
☑		Technical alignment via customer visit	Done	Liao Liang / The Team	
☐		AppComposer X-Function (Altas Torque Wrench Driver)	Not Start	Hu Ye / Li Ji	
☐		AppComposer X-Function (Keyence Barcode Scanner)	Not Start	Hu Ye / Li Ji	
☐		AppComposer Vision (Hikon Camera, ImageSource as a backup)	Risk	Yao Wei / Sun Zhong Yang	
☑	General	Business Support	Continuous	Huang Chang Xia / Wang Mo	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	On Demand	Hartanto Victor	
☐		Patent (WMB and others)	On Track	Zhou Zhen Hua	