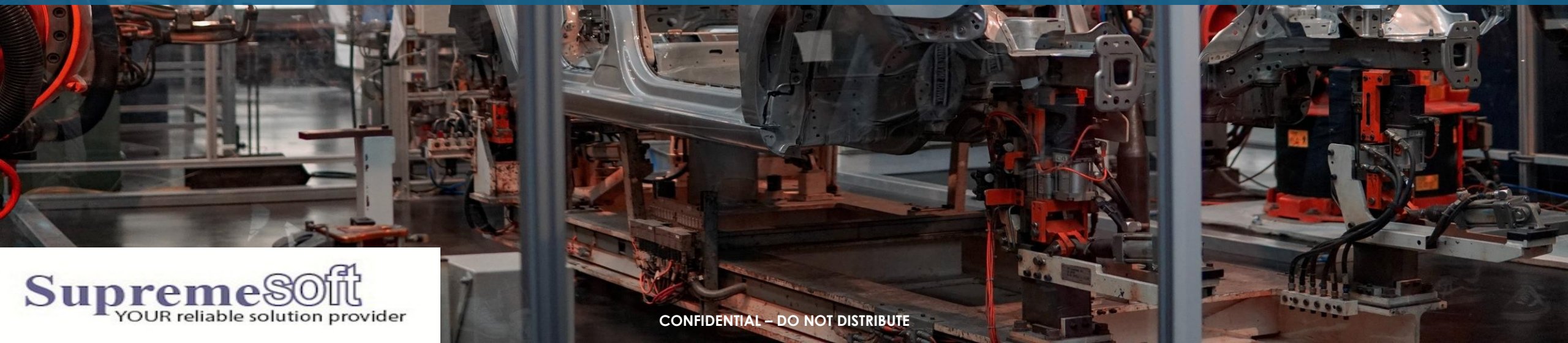




**BUILDING THE DATA-DRIVEN
MANUFACTURING ECOSYSTEM
IoT Manufacturing Execution Platform (IMEP)**



The future of Industry 4.0 is now



SupremeSoft
YOUR reliable solution provider

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Despite the potential of Industry 4.0,

91%

of midsize and larger manufacturers face major hurdles to digital transformation

- 2019 Survey by Dell Technologies

ADOPTION BARRIERS

Manufacturers continue to face formidable challenges in digitizing their production operations.



Costs Too High

Most all digital systems in the market are cost prohibitive, much **too expensive** and are massive packages that we don't need or **can't afford**.

Difficult to Use

Toolsets in the market are **not user friendly**, difficult for our team to learn how to use and to maintain in the long run.

Lack of Skillsets

Our **workers are not trained** to use the tool properly and the toolset is not easy to learn how to use and requires too much enforcement.

What end Customer Problems are we Solving ?



How can I
meet rising requirement
on product quality?



How can I
better PREDICT AND
Reduce Downtime?



How can I
optimize factory
operation for higher
throughput?



How can I
leverage latest technology
for better business
outcomes?

How can I **STAND OUT IN COMPETITION** in my industry?

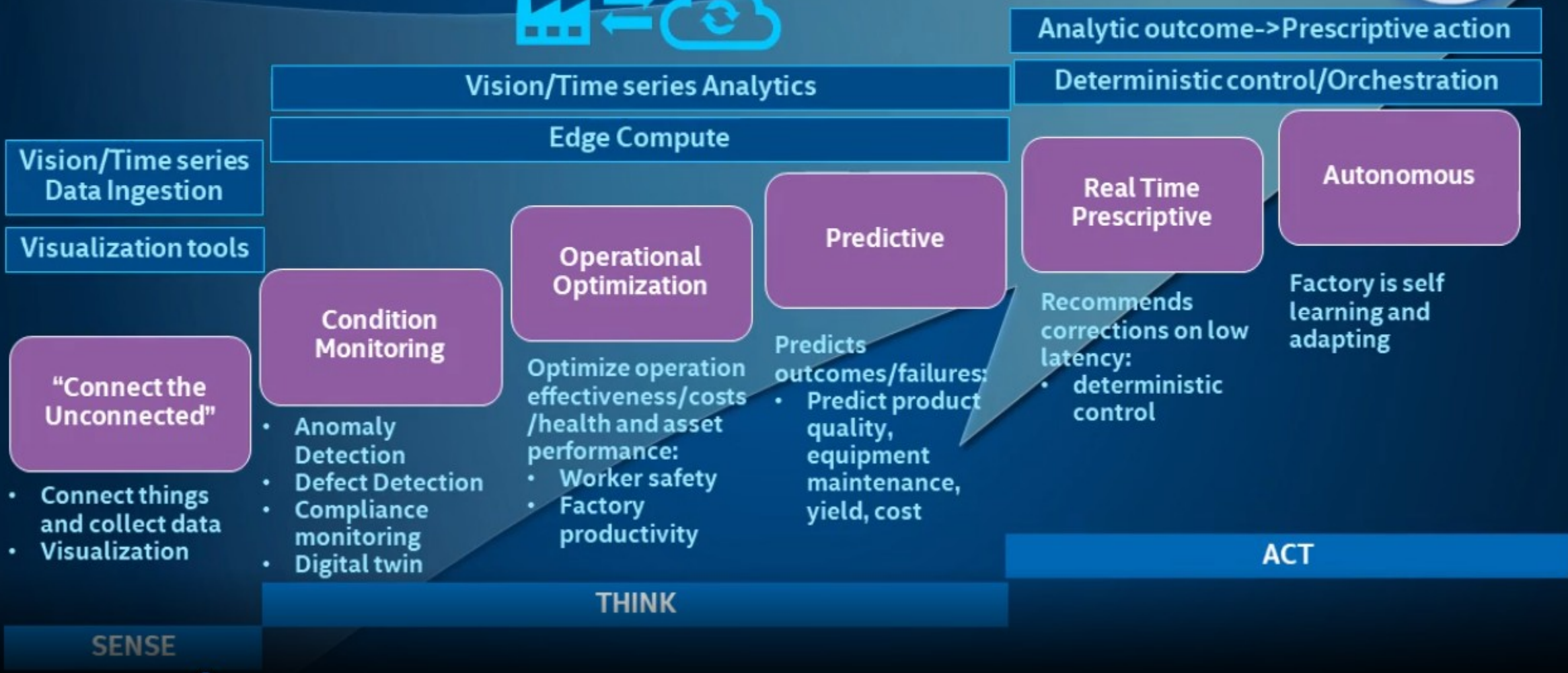
Data analytics driven by AI are transforming Industrial segment
Insights are generated from basic/operational analytics to more advanced analytics.

THE PATH TO DEEPER INSIGHT



Industrial players at different Edge AI Maturity level has different needs

-Industrial 4.0 Edge AI Maturity Model for consolidated analytics



The IMEP Solution Development Strategy



2

Edge I/O Device

- Remote I/O Devices with sensors



Edge-to-Cloud Services

- Integrated edge agent to cloud services
- Remotely mass deployment

4



WISE-DeviceOn



Control I/O & Sensors

- Provided by iDOOR Technology
- New Tech. & Specific-domain application incubation

1

Edge Software

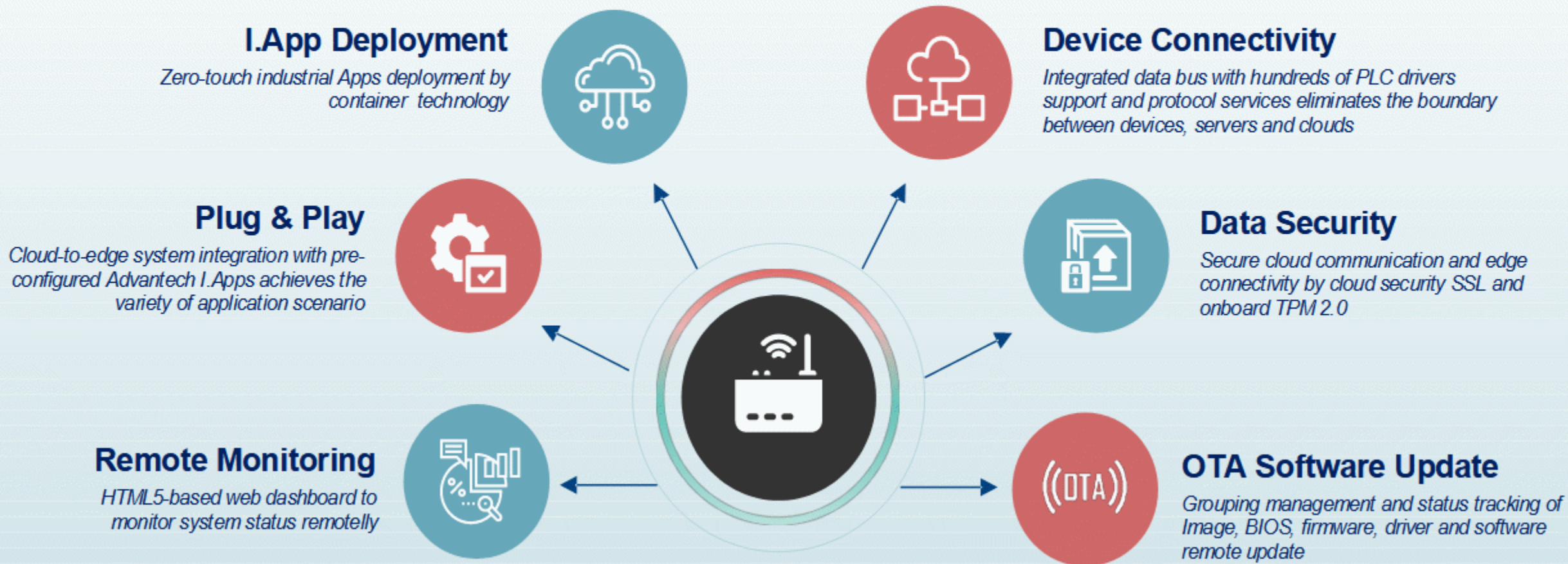
- OT components connected with protocol convention software
- 3rd party ISV partners collaboration & standardization

3

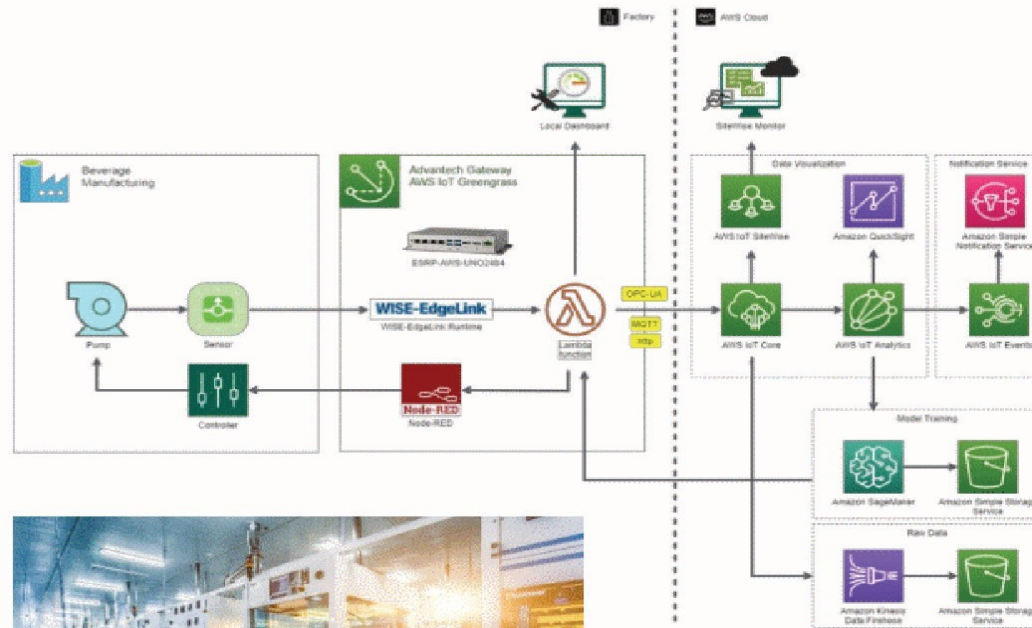
WISE-EdgeLink

HMINavi WISE-PaaS/SCADA

The IMEP Intelligence Functionality



Optimize Manufacturing with The IMEP



- **Problem**

Food & beverage manufacturing process involves a complex series of sequential steps that can exacerbate quality problems. The ability to respond in real time to any issues that arise is required in order to prevent interruptions and ensure reliable operations.

- **Solution**

The IMEP of the AWS series products were deployed to improve operations. WISE-Edgelinek was used to collect data from numerous sensors. The data was then analyzed using an AWS IoT SageMaker AI model to determine suitable responses to real-time production line problems

- **Impact**

Massive amounts and types of sensor data were collected by WISE-Edgelinek and used for AI model training. AWS IoT SageMaker and SiteWise were used for equipment monitoring to achieve failure prediction and real-time management of all production processes.

DIGITAL TRANSFORMATION DRIVER



Developed specifically for SMEs to digitize manual, labor intensive operations. User Friendly & Easy to Learn



Plug-and-play installation empowering production optimization from day 2

Free Unlimited Use

Next-gen SaaS Manufacturing Execution System (MES)



Real-time data



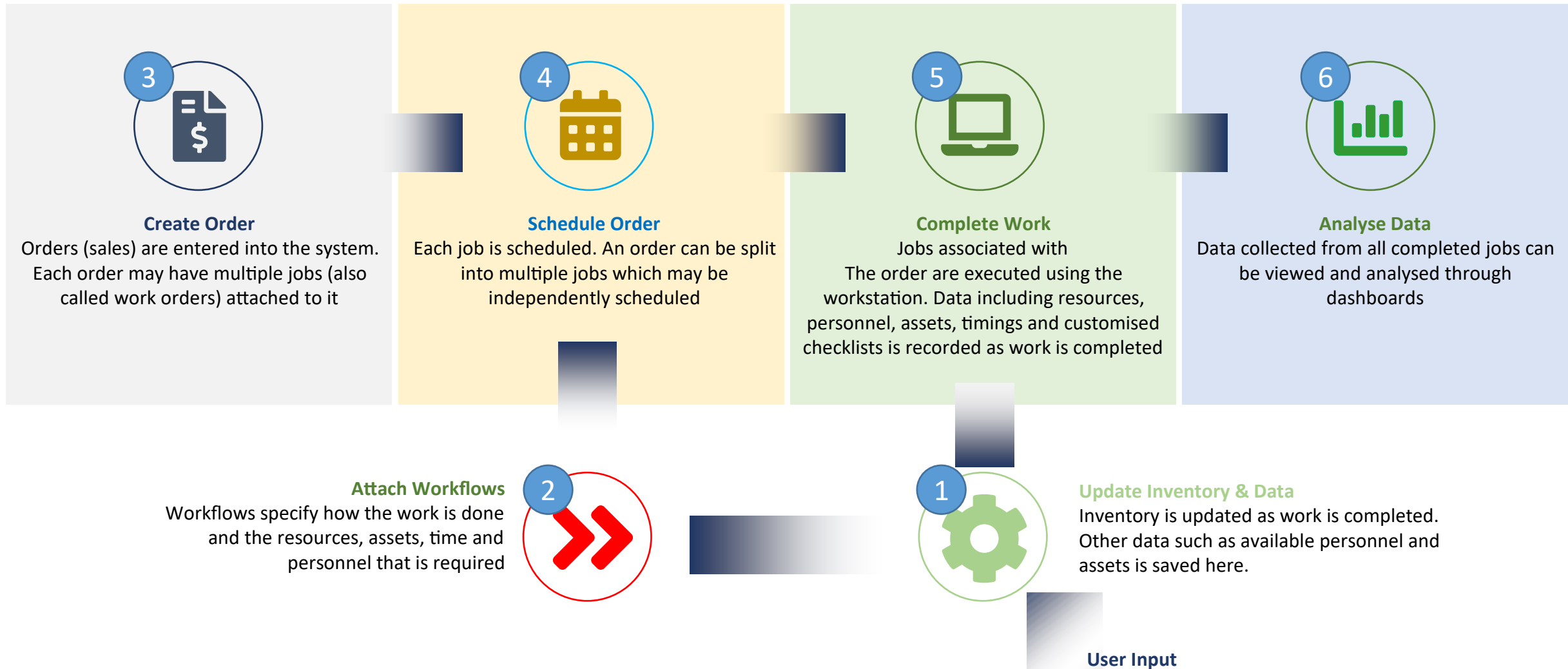
End-to-end visibility



Rapid deployment

There are Six Parts to Digitizing Your Workflow with IMEP - MES Standard

Flow of information in arc.lite



Each part may be accessed through the arc.life (IMEP) home screen

Overview of arc.life login and home screens

ARCSTONE arc.life™

Sign In

Username

Password

Sign In

powered by **arc.ops™**

v1.0.7500.35626
Copyright Arcstone Pte Ltd

Login to arc.life using the default username and password of:

Username: admin
Password: admin

Steps can be accessed through the quick links

The home page will load upon login. It can also be accessed at any time by clicking the home button

Production Management

- Order Tracking & Management**
Track order progress & create new orders
- Scheduler**
Schedule jobs for production & view scheduled activity
- Workstation**
Paperless tracking of the production process
- Dashboards**
See details of all your production activity at a glance

Set Up

- Workflows**
Design & manage your production workflows
- Configuration**
Setup & tracking of OEE, Assets, Personnel & Inventory

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57 Not Scheduled

2 Scheduled

6 In Progress

24 Delayed

96 Overdue

5 Completed

The overall status of all jobs is displayed

Support

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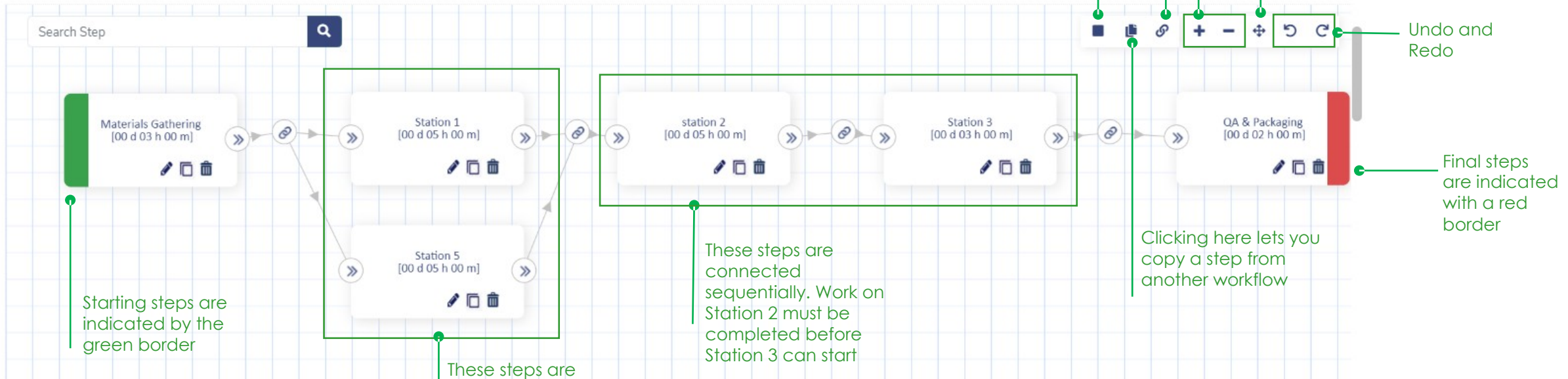
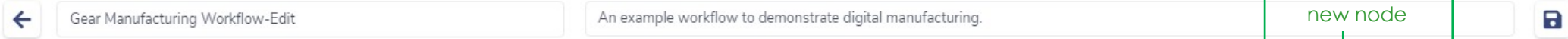
>> The workflow canvas

The below screen is accessed as follows:



Workflow Builder

Manage Workflows / Workflow Builder



The canvas may be moved using scroll bars or clicking and holding

>> Instructions

The below screen is accessed as follows:



Configure Step

Add Instruction

Instruction Name *

Instruction Type

- Image
- Audio
- Video
- General File

#	Name
No data available in table	

Showing 0 to 0 of 0 entries

Specify an instruction name for your reference

Select a file from your computer to upload

Choose the type of instruction to upload

After pressing + to upload the files, they will be displayed here

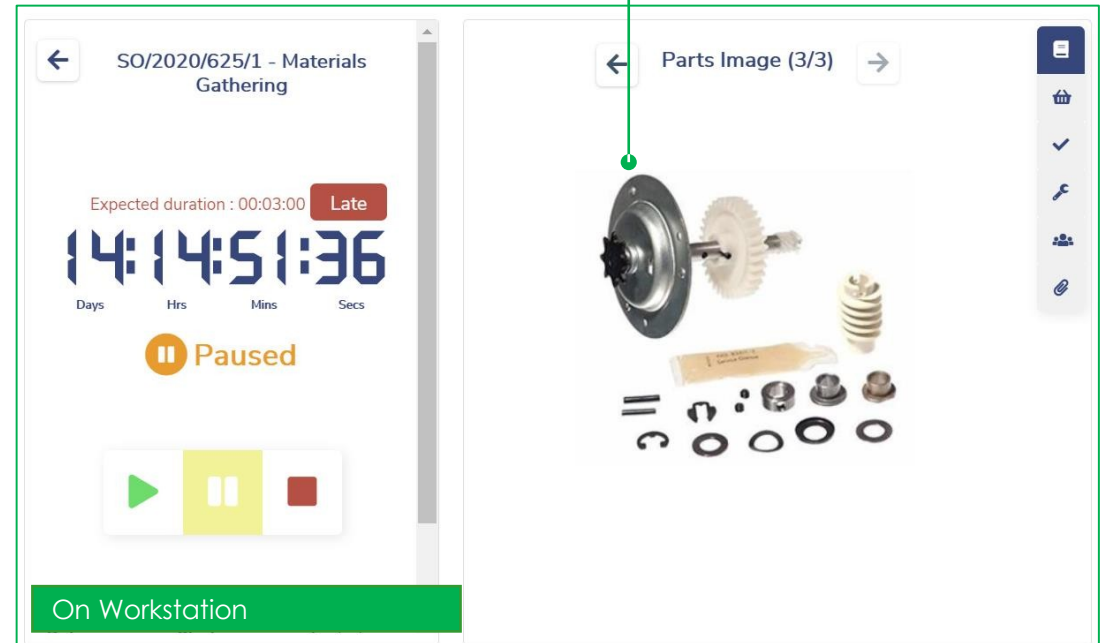
What are Instructions?

Instructions specify how the work on a step needs to be performed. They can be:

- Images
- Audio files
- Videos
- Other files to downloaded.

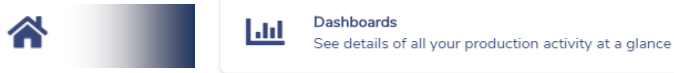
When a step is being performed the instructions uploaded here will be displayed

Instructions will displayed on the workstation, guiding the user through completing the step



Dashboards

The below screen can be accessed as follows



Custom configure dashboards with the dashboard designer add-on

Dashboards

Dashboards help visualize data collected to provide transparency on your operations. arc.life ships with standard dashboards or dashboards can be customised with the dashboard designer add-on.

Swap between different standard views using this menu.

Job id	Status	Workflow	Current Step	Completion %	Requested End Date	Expected	Quality	Plan CT (s/unit)
????	Running	arc.life Testing	Eat Turkey	0.4%	1/31/2020 3:48:45 PM	6/14/20	0	0
2401a	Queued	Workflow-2401		0.00%	1/25/2020 11:40:43 AM	6/13/20	0	0
andreday	Running	Andre's Day	KPI Meeting	0.00%	1/17/2020 9:39:24 AM	6/13/20	120	91.78%
Batch run - 2801 B	Queued	Workflow-2801		0.00%	1/31/2020 3:13:19 PM	6/13/20	10	99.00%
Batch run 2801-A	Running	Workflow-2801	Step 1	0.00%	1/29/2020 3:07:07 PM	6/13/20	115	91.02%
Daily task Workflow	Running	my daily tasks	Status call, Check mailbox/ messenger/ dev-ops tasks	0.00%	1/16/2020 2:54:45 PM	6/13/20	0	0.00%
Example1	Running	SingleStep Test	SingleStep	0.00%	3/27/2020 4:57:10 PM	6/12/20	160	92.92%
Gear/Paron1	Running	Gear Manufacturing Workflow>Edit	Materials Catharion	0.00%	1/17/2020 12:06:03 PM	6/13/20	140	92.05%

PROJECT 项目	JOB 任务	Workflow 制作流程	START DATE 开始日期	DUE DATE 截止日期	CURRENT STAGE 当前阶段	COMPLETION % 完成率	EXPECTED/ACTUAL COMPLETION 预期/实际完成
POD/17/27	POD/17/27-2	Single Blade Razor Workflow 单刀片剃须刀制造流程	Nov 5 2019 2:43PM	Nov 6 2019 12:00AM	1B. Cutting Blade Fabrication(Die Stamping) 刀片制造过程(冲模)	10.53%	Nov 15 2019 10:35PM
POD/17/27	POD/17/27-1	Single Blade Razor Workflow 单刀片剃须刀制造流程	Nov 5 2019 2:50PM	Nov 6 2019 12:00AM	1B. Cutting Blade Fabrication(Die Stamping) 刀片制造过程(冲模)	5.71%	Nov 15 2019 9:35PM
POD/17/25	POD/17/25-2	Single Blade Razor Workflow 单刀片剃须刀制造流程	Nov 7 2019 11:22AM	Nov 5 2019 12:00AM	2.Blade Quality Inspection 刀片质量检查	8.70%	Nov 16 2019 6:35AM

Sales Order Quantity by Product

Barbed Wire	4.42%
Beam Scales	3.84%
Bench Vices	0.72%
Robbin Cable	0.30%
Clothes	0.04%
Die Screw Tool	4.48%
Cotton Cord Tapes	0.21%
Cotton Straps	13.28%
Exhaust Muffler	27.79%
Allen Key Bolts	24.43%
Wps	0.33%
Hand Tools	13.33%
Reels	0.25%
Paint Remover	0.50%
Lamp Holder	2.19%
Hand Pump	12.38%
Fuse Wire	2.75%

Sales Order Quantity by Customer

ABC OIL PVT	2.35%
ABC MACHINERY	2.84%
TDS Company	7.08%
JY PVT LTD	14.93%
ABC INDUSTRY	27.81%
KY OILS	44.26%

Daily Sales Order Quantity

Sales Order Quantity by Region

KEY BENEFITS

END-TO-END VISIBILITY

of all manual production processes in real-time

1 DAY INSTALLATION

forge into Industry 4.0 at a speed with which the manufacturing landscape has never seen

FULL DIGITISATION

to eliminate inefficient paper-based workflows

COST REDUCTION

through the discovery and elimination of wasteful processes

REAL-TIME TRACEABILITY

to oversee facility operations in real-time globally

DATA SECURITY

through full ownership over onsite data or cloud instances

POWERED BY MES Standard IMEP



Basic Toolset IMEP

arc.lite™ provides a powerful backbone to digitize your production end-to-end

Workflow Builder

Enables facility wide creation and management of workflows allowing for real-time monitoring of personnel, resources and equipment

Equipment Monitoring

Basic toolset for real-time equipment monitoring; Fully synced to workstation control and dashboard viewing for dashboard generation

Production Scheduler

Basic toolset for real-time scheduling, creation of work templates, generation of runs; Fully synced to personnel workstations

Personnel Management

Basic solution to track personnel in real-time; Fully synced to workstation control and dashboard viewing for dashboard generation

Workstation Control

Real-time workflow monitoring through any browser-based devices with full step timing, QC, resources, drawings and personnel tracking

Dashboard Viewing

Charting toolsets for basic and advanced visual dashboard viewing with fixed preset templates

Inventory Management

Tracks utilization of all raw materials throughout the entire production process from incoming inventory to WIP to finished goods

DIY or Supremesoft Support

Supremesoft's solutions installations are fully DIY or you could contact Supremesoft for installation and training support. Support packages can be purchased as required



We digitally run factories
&
connect them across the
entire supply chain

SupremeSoft
YOUR reliable solution provider

Our Experience Across Industries



Deployments in **8 countries**



8,000+
toolset users



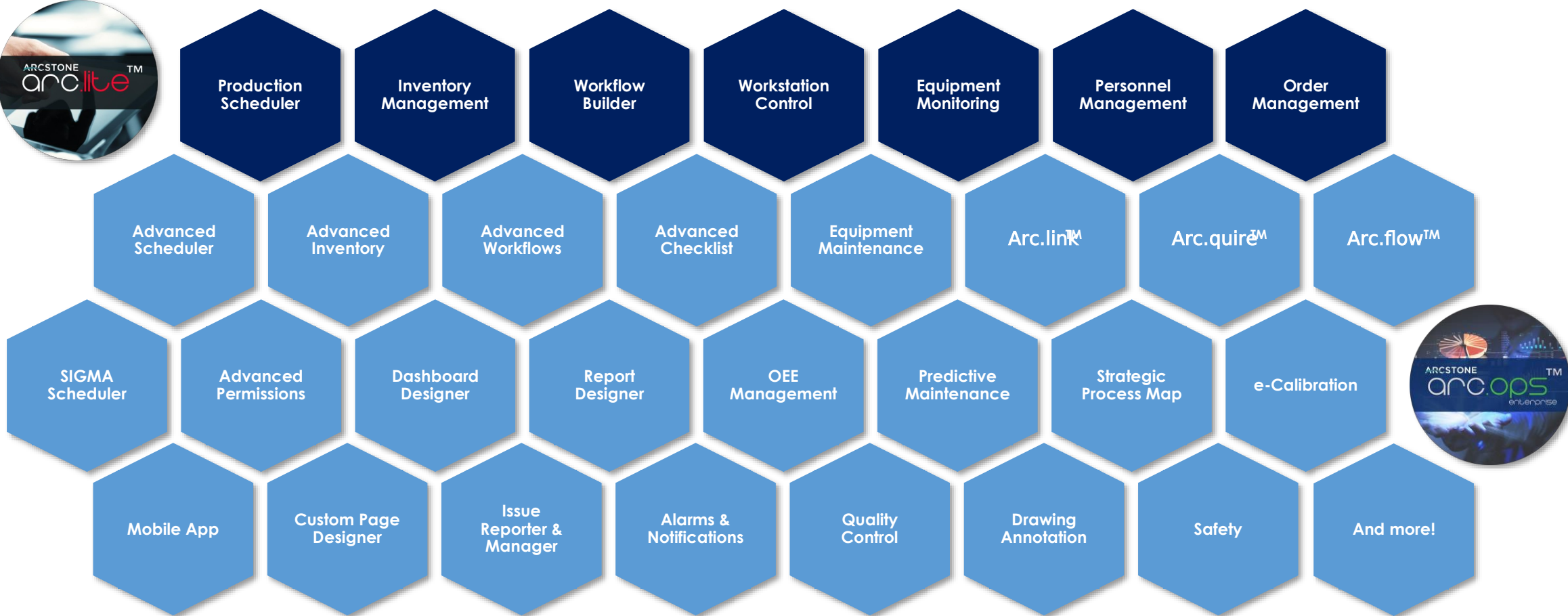
>\$750m of assets
managed



Software deployed in **100+ sites**

Precision Engineering	Fast-Moving Consumer Goods	Energy & Chemicals	Semiconductors & Electronics
Industrial Automation	Universities & Associations	Biomedical & Pharma	Other

EXTENSIVE MODULE SERIES MES Standard and Advance



With Supremesoft's large array of MES modules, we give manufacturers a solution that is flexible and custom-fit for their businesses or operations. With this modularity, we help to build the best solution to optimize your processes.

Join us at the Forefront of Industry 4.0

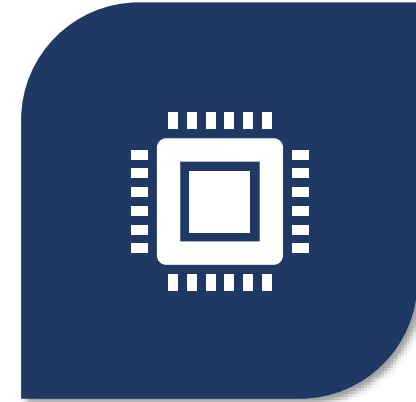


Visit our Office Center

P3-3A, Shaftsbury Square, Persiaran Multimedia
63000 Cyberjaya, Selangor, Malaysia



Schedule for technical consultation



We'll setup a POC remotely for your current projects



Contact Us

info@supremesoft.com.my

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