



# Technical Release Notes

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## *Release Information*



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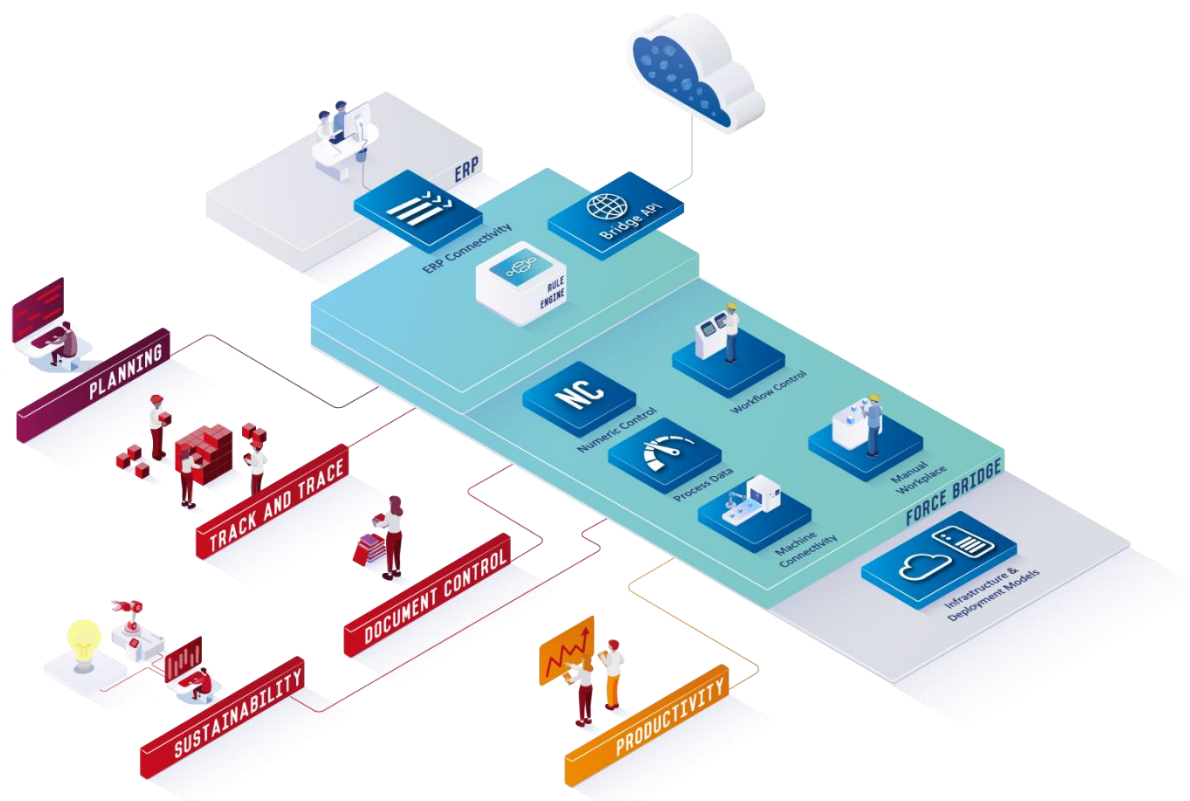
# 1 General

FORCAM provides companies with all the information they need to control and optimize their production. The modular IIoT solution FORCAM FORCE IIOT is as flexible as the needs of customers. With a variety of production apps, FORCAM helps companies to make their processes more transparent and improve their workflows. In this way, companies create the basis for optimization measures and sustainable success, thereby ensuring their competitiveness.

FORCAM is always endeavored to optimize the FORCAM FORCE IIOT solution further, enriching it with functions, thus offering customers consistent growth and greatest possible use. For this purpose, several releases are published throughout the year.

This document lists functions that have been added or changed during the **5.11.27** release. It serves as an overview of the most important features to use FORCAM FORCE IIOT in the best possible way.

Detailed descriptions of the individual functions can be found in the respective product documentation.



## 2 Planning

### 2.1 More intuitive search field behavior

Affected module	Affected area	Status
<b>Workbench</b>	Digital Planning Board	Change

None

### 2.2 Configurable workplace information in the Gantt chart

Affected module	Affected area	Status
<b>Workbench</b>	Digital Planning Board	Change

None

## 3 Track & Trace

### 3.1 Machine card adjustments

Affected module	Affected area	Status
<b>FFWorker, FFWorkbench</b>	Track & Trace	Change

None

## 4 Productivity

### 4.1 Allow more than five arbitrary parameters for Groovy scripting

Affected module	Affected area	Status
Shopfloor Terminal	Template editor	Change

None

### 4.2 US paper formats for document templates

Affected module	Affected area	Status
Office	Document templates	Change

None

### 4.3 Configuration option to disable initial loading of all workplaces

Affected module	Affected area	Status
Master Data	Workplace configuration	New

None

#### 4.4 Target setup time expired status configurable for any phase

Affected module	Affected area	Status
FFRuntime	Target setup time	Change

##### Migration steps

This changes the behavior of the “target-setup-time-monitoring.drt” logic component. Right now, there is no implicit behavior distinction between active and inactive phases. If a distinction is desired, the component should be configured as follows:

- Phase 3 (“SETTING\_UP”) is configured; this should correspond to the existing behavior.
- All phases that only pause the timer should be configured; in most cases known to us, no change is expected here.
- Inactive phases that should also pause the timer instead of aborting it can now be configured; this should only affect new customers or customers where this was desired but not possible at this time.

#### 4.5 PDF exports will not take place until the rendering is complete

Affected module	Affected area	Status
Office	Visualization & Dashboard	Change

None

#### 4.6 New operation filter component

Affected module	Affected area	Status
Shopfloor Terminal	Configuration	New/Change

None

#### 4.7 Enable automatic closing of the activity steps dialog on success

Affected module	Affected area	Status
Shopfloor Terminal	Configuration	New

None

## 4.8 Editor for auto report attachments enables multilingual names

Affected module	Affected area	Status
Office	Auto Reporting	New

### Database changes

- Column NAME\_ID (bigint, NULL) added to table SYS07\_AUTO\_EXPORT\_ATTACHMENT
  - NAME\_ID is a foreign key constraint to table FF\_MD\_LITERAL

## 4.9 Easier handling of custom literals

Affected module	Affected area	Status
Office	Editors using the Custom Literal Management UI	Change

None



## 5 Process

### 5.1 Provided a user exit configuration of Track & Trace

Affected module	Affected area	Status
Office	Track & Trace	New

#### **FFTraceProcessing**

Execute the configured user exit during assembly process.

## 6 Platform & Connectivity

### 6.1 New JSON scheme for MQTT plugin

Affected module	Affected area	Status
Machine Data Connectivity	DCU/DACQ	Change

None

### 6.2 Location identifier for all commands

Affected module	Affected area	Status
BridgeAPI	Location Identifier	Change

The following APIs have been adjusted:

- POST /commands
- POST /operations/{operationId}/{operationPhaseId}
- POST /operations/{operationId}/qualityDetails
- POST /workplaces/{workplaceId}/machine/{machineStateId}
- POST /machines/{machineId}/counterIncrease
- POST /machines/{machineId}/quantitiesWithQualityDetails
- POST /machines/{machineId}/strokes
- POST /machines/{machineId}/{machineStateId}

## 7 Appendix

Abbreviation/Term	Description
<b>BridgeAPI</b>	The first application interface (Open API) for Smart Manufacturing
<b>CommandAPI</b>	An API to use the command UI
<b>FORCAM FORCE EDGE</b>	The FORCAM FORCE EDGE solution enables companies to fully exploit the digitization potential of machines from a wide range of manufacturers and models. With FORCAM FORCE EDGE, you can easily digitize even heterogeneous machine fleets. Even machines that were never intended for digitization can later be made fit for the smart factory.
<b>JSON</b>	JavaScript Object Notation is a compact data format in an easy-to-read text form for data exchange between applications.
<b>MQTT</b>	Message Queuing Telemetry Transport