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FORCAM Academy

ABOUT US

Our Vision
FORCAM Academy builds bridges between people and systems by translating hidden and technical information into knowledge that can be understood and used by the requesting target group.

Our Mission
- FORCAM Academy provides customers with specific knowledge to enhance and maximize their efforts in transforming to World Class Shop Floor Management
- FORCAM Academy delivers well-structured information to provide knowledge gain for internals, partners and customers.
- We provide worldwide transparency and availability of course material for all stakeholders using innovative digital collaboration solutions.
- We use multiple instructional methods to distribute course contents that fit to the recipient’s needs and requirements.
- We support customer satisfaction and partner relationship with high quality courses.

Our Strategy
FORCAM Academy is a key pillar to enhance FORCAM customer satisfaction as well as partner relationship. That is why FORCAM Academy offers standardized course structure to every stakeholder.

Customer
We want our customers to use our products as successfully as possible. Therefore FORCAM Academy offers both – product specific courses and process and generic Shop Floor Management courses. To reach this common target FORCAM Academy offers several possibilities to get trained in a face-to-face course or in some sessions as a self-paced online training.

Partner
FORCAM partners are as important as our own employees. Our partners support us as multipliers, with project management and project implementation. FORCAM Academy ensures the continuous delivery of partner qualification and competencies by delivering role-based information.

Employees
As we train our customers and partners we provide this offer to our employees as well. We want our employees to be a competent partner to our customers.
Our Delivery Concept
FORCAM Academy aims to make course participants more than just satisfied. Focusing on a standardized and scenario-based course delivery we offer several opportunities and approaches to gain and improve your knowledge about FORCAM products:

- Blended-Learning approach focusing on an interconnectivity of e-Learning and face-to-face classroom courses based on a modular FORCAM approach.
- We offer standardized course content delivery and quality all over the world
- Open courses with room and time for collaboration with participants

COURSE CATALOG HANDLING

Intention
The following list of courses covers the course topics offered by FORCAM Academy based on sustainable knowledge delivery and innovative learning methods.

FORCAM Academy accommodates various learning environments and methods, participants can decide which courses are necessary and delivery approach depending on how they learn best. The FORCAM Academy provides a variety of training approaches including trainer guided learning, individualized self-paced e-learning and remote webinar sessions.

Nomenclature and Structure
Courses are structured in three skill categories: BASIC, ADVANCED and EXPERT. These categories are used to outline the courses on the basis of the delivered content (learning targets).

The courses themselves are all named with a nomenclature that describes the course title in a self-explaining abbreviation. E.g. FORCE-SFM – Basics of Shop Floor Management for FORCAM FORCE™ or FORCE-REP – Advanced Reporting and Visualizations for FORCAM FORCE™

Course Dates and Locations
Currently course dates and locations are provided on FORCAM Academy webpage (HYPERLINK) only. In the course of 2016, we will provide all information within an online e-learning environment.
FORCAM FORCE™ BASIC COURSES

A BASIC COURSE is the best and recommended way to start with before using FORCAM solutions.

A basic manufacturing course takes you to an understanding of knowledge of Shop Floor Management (SFM) and how FORCAM facilitates SFM (prerequisite for all other courses). Courses are set up to provide a basic knowledge of all FORCAM FORCE™ modules for key users (by module e.g. MDC, ODM). BASIC COURSES create fundamental SFM and how to use FORCAM FORCE™ software.

All courses are delivered by the FORCAM Academy team, FORCAM Business Consultant, or a certified FORCAM Partner.

Each FORCAM ACADEMY TRAINING includes the following items:

- Hard bound copy of the presentation materials
- FORCAM memory stick including soft copy of the training (PDF) and FORCAM knowledge base
- Notepad for taking notes during training
- Writing device
FORCE-SFM – Basics of Shop Floor Management

Content Overview
This course is set up as the first introduction to FORCAM FORCE™. It delivers the basic ideas and value-add of Shop Floor Management (SFM) with FORCAM FORCE™. The theoretical approaches behind SFM are important to know for everyone who wants to work with the FORCAM tools because the whole software architecture is based on these approaches.

Main Topics
- FORCAM SFM approach & Software Architecture
- Basics of Machine Data Collection
- SFM Performance indicator Overall Equipment Effectiveness (OEE)
- Master data and general settings of FORCAM FORCE™
- Terminology & basic configuration of Order Data Management with FORCAM
- Basics of Reporting & Visualization
- Shop Floor Terminal basics

The course is the baseline of all other courses and explains how to benefit with a structured SFM system.

Available Delivery Design
- Leader-lead Course
- Webinar
- Web Based Training (WBT)

Target Group
- Project Team members and key users who are involved in the implementation of FORCAM into the production area
- People who wish to get an overview of FORCAM shop floor management
- Future FORCAM administrators

Prerequisites
- None

Duration
3 Days

Price (FORCAM CLASSROOM)
Cost For first Participant.......................................................... $1,200.00
Cost For Second Participant..................................................... $1,050.00
Cost For third and each additional Participant.......................$ 900.00

Delivered at Customer Location................................................. $8,500.00
(Plus expenses, Maximum 12 students)

Language
German/English

Number of Participants
Min. 6, Max. 12

Course Dates
Refer to course schedule overview
FORCE-DNC01 – PDM/DNC Basics

Content Overview
This course is designed to give a basic Introduction to the Production Data Management (PDM) & DNC module of FORCAM FORCE™.

Main Topics
- DNC overview
- Program management
- Versioning
- Creating of Packets & Elements

Available Delivery Design
- ☒ Leader-lead Course
- ☐ Webinar
- ☐ Web Based Training (WBT)

Target Group
- Subject Matter Experts and key users who are involved in the implementation of FORCAM into the production area
- NC Programmers who will administer the PDM/DNC functionality through FORCAM FORCE™ in the future

Prerequisites
- ✓ FORCE-SFM

Duration
1 Day

Price (FORCAM CLASSROOM)
- Cost For first Participant................................................................. $1,000.00
- Cost For Second Participant............................................................ $ 875.00
- Cost For Third and each additional Participant......................... $ 750.00

Delivered at Customer Location.................................................... $6,000.00
(Plus expenses, Maximum 8 students)

Language
German/English

Number of Participants
Min. 4, Max. 10

Course Dates
Refer to course schedule overview
FORCAM FORCE™ ADVANCED COURSES

FORCAM Academy as well offers ADVANCED COURSES. These courses deliver detailed FORCAM product functionality knowledge for customers desiring advanced module specific knowledge.

The emphasis of all ADVANCED COURSES are on configuration of FORCAM SFM and attached modules. For example the FORCE-MDC course delivers customizing knowledge about how to configure a DACQ script.

All courses are delivered by the FORCAM Academy team or a certified FORCAM Academy Partner.

Each FORCAM ACADEMY TRAINING includes the following items:

- Hard bound copy of the presentation materials
- FORCAM memory stick including soft copy of the training (PDF) and FORCAM knowledge base
- Notepad for taking notes during training
- Writing device
FORCAMEMDC – Advanced Machine Data Collection

Content Overview
This course is designed to give the in-depth knowledge required to configure a machine with all its settings in FORCAM FORCE™. Different kind of connections are covered and a detailed view into the architecture will be given.

Main Topics
- Machine Data Collection Overview
- Architecture Rule Engine
- DCU & DACQ Architecture
- Configuration of a Workplace
- DACQ Scripting
- Logging Functions
- Troubleshooting MDC
- FORCAM Bridge
- Special Functionalities

Available Delivery Design
- Leader-lead Course
- Webinar
- Web Based Training (WBT)

Target Group
- Subject Matter Experts and key users who are involved in the implementation of FORCAM into the production area, e.g. Controls Engineers, IT experts

Prerequisites
- FORCE-SFM

Duration
3 Days

Price (FORCAM CLASSROOM)
- Cost For first Participant................................................................. $ 3,000.00
- Cost For Second Participant............................................................. $ 2,625.00
- Cost For Third and each additional Participant................................. $ 2,250.00

Delivered at Customer Location..................................................... $18,000.00
(Plus expenses, Maximum 8 students)

Language
German/English

Number of Participants
Min. 4, Max. 8

Course Dates
Refer to course schedule overview
FORCE-ODM – Advanced Order Data Management

Content Overview
This course is designed to give the in-depth knowledge required to configure the Order Data Management with all its settings in FORCAM FORCE™. A step-by-step configuration approach and a detailed view into the architecture will be given.

Main Topics
- Order Management Overview
- Architecture Rule Engine
- System Configuration
- Order Management Corrections
- ERP-Interface Concept
- Log Files
- Shop Floor Terminal with ODM
- Advanced Functions

Available delivery design
- Leader-lead Course
- Webinar
- Web Based Training (WBT)

Target Group
- Subject Matter Experts and key users who are involved in the implementation of FORCAM into the production area such as planners/schedulers, IT experts

Prerequisites
- FORCE-SFM

Duration
3 Days

Price (FORCAM CLASSROOM)
- Cost For first Participant................................................................. $ 3,000.00
- Cost For Second Participant.............................................................. $ 2,625.00
- Cost For Third and each additional Participant................................. $ 2,250.00

Delivered at Customer Location......................................................... $18,000.00
(Plus expenses, Maximum 8 students)

Language
German/English

Number of Participants
Min. 4, Max. 8

Course Dates
Refer to course schedule overview
**FORCE-ERP – ERP Interface**

**Content Overview**
This course is designed to give an overview how FORCAM FORCE™ integrates with ERP systems and how data can be transferred to/from the ERP system to/from FORCAM FORCE™.

**Main Topics**
- Required Fields
- Field Mapping
- Interface Types
- Integration Procedures

**Available Delivery Design**
- Leader-lead Course
- Webinar
- Web Based Training (WBT)

**Target Group**
- Subject Matter Experts and key users who are involved in the implementation of FORCAM into the production area, e.g. ERP Key Users, IT experts

**Prerequisites**
- FORCE-SFM
- FORCE-ODM

**Duration**
1 Day

**Price (FORCAM CLASSROOM)**
- Cost For First Participant............................................................... $1,000.00
- Cost for Second Participant.......................................................... $ 875.00
- Cost for Third and each additional Participant.............................. $ 750.00

Delivered at Customer Location......................................................... $6,000.00
(Plus expenses, Maximum 8 students)

**Language**
German/English

**Number of Participants**
Min. 4, Max. 8

**Course Dates**
Refer to course schedule overview
FORCE-SAP – SAP Adapter

Content Overview
This course is designed to give a detailed view into the SAP Adapter, its configuration and functionality.

Main Topics
- Required Fields
- Data Transfer
- Serialization
- Troubleshooting

Available Delivery Design
- Leader-lead Course
- Webinar
- Web Based Training (WBT)

Target Group
- Subject Matter Experts and key users who are involved in the implementation of FORCAM into the production area, for example SAP Key Users

Prerequisites
- FORCE-SFM
- FORCE-ODM

Duration
1 Day

Price (FORCAM CLASSROOM)
Cost For First Participant................................................................. $1,000.00
Cost for Second Participant............................................................. $ 875.00
Cost for Third and each additional Participant............................... $ 750.00

Delivered at Customer Location....................................................... $6,000.00
(Plus expenses, Maximum 8 students)

Language
German/English

Number of Participants
Min. 4, Max. 8

Course Dates
Refer to course schedule overview
FORCE-SFT – Shop Floor Terminal

Content Overview
This course is designed to explain the structure and configuration of the Shop Floor Terminal. A series of hands-on configuration examples will illustrate in detail all required steps to configure a customized Shop Floor Terminal.

Main Topics
- Architecture
- Structure
- Customizations
- Literals
- Troubleshooting
- Log Files

Available Delivery Design
- Leader-lead Course
- Webinar
- Web Based Training (WBT)

Target Group
- Subject Matter Experts and key users who are involved in the implementation of FORCAM into the production area, e.g. IT experts

Prerequisites
- FORCE-SFM

Duration
2 Days

Price (FORCAM CLASSROOM)
- Cost For First Participant................................. $ 2,000.00
- Cost For Second Participant............................... $ 1,750.00
- Cost For Third and each Additional Participant........ $ 1,500.00

Delivered at Customer Location............................. $12,000.00
(Plus expenses, Maximum 8 students)

Language
German/English

Number of Participants
Min. 4, Max. 8

Course Dates
Refer to course schedule overview
**FORCE-REP – Advanced Reporting and Visualizations**

**Content Overview**
This course is designed to give the in-depth knowledge required to create custom reports, visualizations and dashboards. The database structure is explained as well as additional functionality like Auto-Reporting and Alarming.

**Main Topics**
- Custom Reports
- Custom Visualizations
- Data Filters
- Database Structure
- Mail Server Configuration
- Auto-Reports
- Alarming

**Available Delivery Design**
- Leader-lead Course
- Webinar
- Web Based Training (WBT)

**Target Group**
- Subject Matter Experts and key users who are involved in the implementation of FORCAM into the production area, for example IT experts

**Prerequisites**
- FORCE-SFM
- Knowledge of SQL

**Duration**
3 Days

**Price (FORCAM CLASSROOM)**
- Cost For First Participant................................................................. $ 3,000.00
- Cost For Second Participant............................................................... $ 2,625.00
- Cost For Third and each Additional Participant............................... $ 2,250.00

Delivered at Customer Location........................................................................ $18,000.00  
(Plus expenses, Maximum 8 students)

**Language**
German/English

**Number of Participants**
Min. 4, Max. 8

**Course Dates**
Refer to course schedule overview
FORCE-DNC02 – Advanced Production Data Management/DNC

Content Overview
This course is designed to provide all required information to configure the Production Data Management (PDM) & DNC module in FORCAM FORCE™. Detailed configuration options are provided as well as in-depth knowledge about the PDM/DNC module.

Main Topics
- DNC
- PDM
- Shop Floor Terminal Configuration for PDM/DNC
- Serial Connection
- FTP Transfer
- Program management & Versioning
- Special Functionalities related to PDM/DNC

Available Delivery Design
- Leader-lead Course
- Webinar
- Web Based Training (WBT)

Target Group
- Subject Matter Experts and key users who are involved in the implementation of FORCAM into the production area, e.g. NC programmers

Prerequisites
- ✔ FORCE-SFM
- ✔ FORCE-DNC01

Duration
3 Days

Price (FORCAM CLASSROOM)
Cost For first Participant.......................................................... $ 3,000.00
Cost For Second Participant...................................................... $ 2,625.00
Cost For Third and each additional Participant.......................... $ 2,250.00

Delivered at Customer Location................................................. $18,000.00
(Plus expenses, Maximum 8 students)

Language
German/English

Number of Participants
Min. 4, Max. 8

Course Dates
Refer to course schedule overview
FORCAM ACADEMY EXPERT COURSES

FORCAM Academy also offers EXPERT COURSES. These courses deliver detailed FORCAM product functionality knowledge for customers desiring extreme module specific knowledge.

For a schedule of Expert Courses, please consult your FORCAM Account Manager.

The emphasis of all EXPERT COURSES are on core system knowledge of FORCAM SFM and attached modules.

All Expert courses are delivered by the FORCAM product team or product developers.

Each FORCAM ACADEMY TRAINING includes the following items:

- Hard bound copy of the presentation materials
- FORCAM memory stick including soft copy of the training (PDF) and FORCAM knowledge base
- Notepad for taking notes during training
- Writing device