

**Workshop** : Main Road, Habaline, Amshit  
Jbeil, Lebanon  
**Offices** : Point Center, Blvd. Fouad Chehab  
Dekwaneh, Beirut, Lebanon  
**Phone** : + 961 1 491161  
**Fax** : + 961 1 491162  
**P.O. Box** : Sin el fil, 55021 Beirut, Lebanon  
[www.automationmate.com](http://www.automationmate.com)



**المعمل** : حبالين, الطاريق العام, عمشيت  
جبيل لبنان  
**المكاتب** : بوينت سنتر, شارع فؤاد شهاب  
الدكوانة, بيروت, لبنان  
ت : +961 1 491161  
ف : +961 1 491162  
ص.ب : سن الفيل, بيروت, لبنان  
[www.automationmate.com](http://www.automationmate.com)

## Preliminary Offer

## Siemens Training

April 21<sup>st</sup>, 2016

**Prepared for:**

**Prepared by:** Mr Salah El Chlouk  
Automate

### Description

The purpose of this document is to describe the intent of Automate to provide Siemens Trainings

### Proposal Number

ALSU21042016



Lebanon - Qatar - Oman - Germany - USA  
[www.airesd.group](http://www.airesd.group)



Workshop : Main Road, Habaline, Amshit  
Jbeil, Lebanon  
Offices : Point Center, Blvd. Fouad Chehab  
Dekwaneh, Beirut, Lebanon  
Phone : + 961 1 491161  
Fax : + 961 1 491162  
P.O. Box : Sin el fil, 55021 Beirut, Lebanon  
www.automationmate.com



المعمل : حبالين، الطاريق العام، عمشيت  
جيبيل لبنان  
المكاتب : بوينت سنتر، شارع فؤاد شهاب  
الدكوانة، بيروت، لبنان  
ت : +961 1 491161  
ف : +961 1 491162  
ص.ب : سن الفيل، بيروت، لبنان  
www.automationmate.com



## Big goals require strong partners

Every vision is unique: As individual as the person who envisions it – and as personal as the goals that are derived from it. The more ambitious these goals are, the more important it is to be able to rely on a competent partner. This is especially true in industrial environments.

### A first-class solution with the right Solution Partner

Do you want to increase your productivity by 60 per cent, while also improving quality? Do you want to almost double your product diversity with only one production line, or to increase your output by 150% after a minimal downtime.

No matter what goals you have: The Siemens Solution Partner program helps you to find the right partner for your specific task.

See for yourself

[www.siemens.com/automation/partnerfinder](http://www.siemens.com/automation/partnerfinder)



Lebanon - Qatar - Oman - Germany - USA  
www.aireds.group



Workshop : Main Road, Habaline, Amshit  
Jbeil, Lebanon  
Offices : Point Center, Blvd. Fouad Chehab  
Dekwaneh, Beirut, Lebanon  
Phone : + 961 1 491161  
Fax : + 961 1 491162  
P.O. Box : Sin el fil, 55021 Beirut, Lebanon  
www.automationmate.com



المعمل : حبالين، الطاريق العام، عمشيت  
جيبيل لبنان  
المكاتب : بوينت سنتر، شارع فؤاد شهاب  
الدكوانة، بيروت، لبنان  
ت : +961 1 491161  
ف : +961 1 491162  
ص.ب : سنن الغيل، بيروت، لبنان  
www.automationmate.com

## A reliable indicator for top quality

Under the name of Siemens Solution Partners, selected system integrators around the world act as uniformly qualified solution providers for the Siemens range of products and services in the fields of automation and drives. The emblem of the Siemens Solution Partners stands for top quality – and it is thus a reliable indicator that your projects will be implemented successfully. There are now more than 1,200 certified Solution Partners in more than 60 countries implementing future-oriented and customized solutions.

The systematic promotion and improvement of the quality of our partners is a firm part of our unique program. Contractually agreed quality criteria for our partners and clearly defined processes for providing the best support to our partners play a central role. Thus it is guaranteed that our partners excel without exception due to their in-depth product and system expertise and their excellent knowledge of the industry.

Your benefit: With a Solution Partner, you benefit from future-proof and tailored solutions, which decisively contribute to the lasting improvement of your competitiveness.

## Your success factor: the quality of our Solution Partners

**The fact that you will always benefit from first-class results with our Solution Partners is not a matter of chance. Quality is a key cornerstone of our program. More precisely: It is the quality of the solutions, experts, projects, and products of our partners, which is consistently promoted using systematics that are uniquely designed for this purpose, with clear goals, concrete measures, and clearly defined services. All of this ensures that our partners produce excellent solutions, achieve lasting financial success, and constantly improve in the process.**



Lebanon - Qatar - Oman - Germany - USA

www.aireds.group



**Workshop** : Main Road, Habaline, Amshit  
Jbeil, Lebanon  
**Offices** : Point Center, Blvd. Fouad Chehab  
Dekwaneh, Beirut, Lebanon  
**Phone** : + 961 1 491161  
**Fax** : + 961 1 491162  
**P.O. Box** : Sin el fil, 55021 Beirut, Lebanon  
[www.automationmate.com](http://www.automationmate.com)

**automation**  
AUTOMATION, ENERGY & ROBOTICS



المعمل : حبالين، الطاريق العام، عمشيت  
جبيل لبنان  
المكاتب : بوينت سنتر، شارع فؤاد شهاب  
الدكوانة، بيروت، لبنان  
ت : +961 1 491161  
ف : +961 1 491162  
ص.ب : سن الفيل، بيروت، لبنان  
[www.automationmate.com](http://www.automationmate.com)

## Solution quality



**Within the scope of our Solution Partner program, our product and system expertise go hand in hand with the comprehensive application and industry expertise of our partners.**

The advantages for you:

- Custom-tailored solutions – for any requirement
- Minimization of risks
- Perfect product and system selection

Our partners have to regularly demonstrate their solution quality. The numerous reference reports that we have compiled for you on the Internet are the visible documentation of their proven solution competence.



Lebanon - Qatar - Oman - Germany - USA  
[www.aireds.group](http://www.aireds.group)



Workshop : Main Road, Habaline, Amshit  
Jbeil, Lebanon  
Offices : Point Center, Blvd. Fouad Chehab  
Dekwaneh, Beirut, Lebanon  
Phone : + 961 1 491161  
Fax : + 961 1 491162  
P.O. Box : Sin el fil, 55021 Beirut, Lebanon  
www.automationmate.com

**automation**  
AUTOMATION, ENERGY & ROBOTICS



المعمل : حبالين، الطاريق العام، عمشيت  
جيبيل لبنان  
المكاتب : بوينت سنتر، شارع فؤاد شهاب  
الدكوانة، بيروت، لبنان  
ت : +961 1 491161  
ف : +961 1 491162  
ص.ب : سن الغيل، بيروت، لبنان  
www.automationmate.com

## Expert quality



The Solution Partners stand out for their up-to-date expert knowledge, which is certified in regular certification workshops and audits and which is built up and expanded within the scope of special, targeted training courses.

The advantages for you:

- First-class future-proof solutions – always state-of-the-art
- Technically certified partners according to worldwide, uniform quality standards
- Up-to-date automation expertise thanks to intensive expert information exchanges

## Project quality



The regular transfer of know-how between Siemens and the Solution Partners is the prerequisite for the quick and successful implementation of projects – in all industries.



Lebanon - Qatar - Oman - Germany - USA  
www.aireds.group



**Workshop** : Main Road, Habaline, Amshit  
Jbeil, Lebanon  
**Offices** : Point Center, Blvd. Fouad Chehab  
Dekwaneh, Beirut, Lebanon  
**Phone** : + 961 1 491161  
**Fax** : + 961 1 491162  
**P.O. Box** : Sin el fil, 55021 Beirut, Lebanon  
[www.automationmate.com](http://www.automationmate.com)

**automation**  
AUTOMATION, ENERGY & ROBOTICS



المعمل : حبالين, الطاريق العام, عمشيت  
جبيل لبنان  
المكاتب : بوينت سنتر, شارع فؤاد شهاب  
الدكوانة, بيروت, لبنان  
ت : +961 1 491161  
ف : +961 1 491162  
ص.ب : سن الفيل, بيروت, لبنان  
[www.automationmate.com](http://www.automationmate.com)

The advantages for you:

- Valuable synergy effects from the close cooperation between Siemens and the Solution Partners – including on-site targeted application consulting and support – accelerate the successful conclusion of the project
- Expert support, including for complex topics and tasks, minimizes risks over the course of the project
- Maximum project reliability and quality thanks to feasibility studies done in advance

## Portfolio quality



**In a systematic dialog, Siemens and the Solution Partners promote the optimization of the range of products and services offered by the partners.**



Lebanon - Qatar - Oman - Germany - USA  
[www.aireds.group](http://www.aireds.group)



**Workshop** : Main Road, Habaline, Amshit  
Jbeil, Lebanon  
**Offices** : Point Center, Blvd. Fouad Chehab  
Dekwaneh, Beirut, Lebanon  
**Phone** : + 961 1 491161  
**Fax** : + 961 1 491162  
**P.O. Box** : Sin el fil, 55021 Beirut, Lebanon  
[www.automationmate.com](http://www.automationmate.com)

**automation**  
AUTOMATION, ENERGY & ROBOTICS



المعمل : حبالين, الطاريق العام, عمشيت  
جبيل لبنان  
المكاتب : بوينت سنتر, شارع فؤاد شهاب  
الدكوانة, بيروت, لبنان  
ت : +961 1 491161  
ف : +961 1 491162  
ص.ب : سن الفيل, بيروت, لبنان  
[www.automationmate.com](http://www.automationmate.com)

The advantages for you:

- State-of-the-art solutions from a single source thanks to a comprehensive range of products and services, which is systematically expanded and continuously aimed at increasing market requirements
- Optimal consulting quality – from configuration and commissioning all the way to service
- Competencies which are aimed at your individual requirements – near you



Lebanon - Qatar - Oman - Germany - USA  
[www.aireds.group](http://www.aireds.group)



Workshop : Main Road, Habaline, Amshit  
Jbeil, Lebanon  
Offices : Point Center, Blvd. Fouad Chehab  
Dekwaneh, Beirut, Lebanon  
Phone : + 961 1 491161  
Fax : + 961 1 491162  
P.O. Box : Sin el fil, 55021 Beirut, Lebanon  
www.automationmate.com

**automation**  
AUTOMATION, ENERGY & ROBOTICS



المعمل : حبالين, الطاريق العام, عمشيت  
جيبيل لبنان  
المكاتب : بوينت سنتر, شارع فؤاد شهاب  
الدكوانة, بيروت, لبنان  
ت : +961 1 491161  
ف : +961 1 491162  
ص.ب : سن الفيل, بيروت, لبنان  
www.automationmate.com

## Contents

Description .....	1
Proposal Number .....	1
<b>Course Level: Step 7 –Maintenance–S7101 .....</b>	<b>7</b>
<b>1- Who Should Attend? .....</b>	<b>7</b>
<b>2- Prerequisites .....</b>	<b>7</b>
<b>3- Aims and Objectives .....</b>	<b>7</b>
<b>4- Contents .....</b>	<b>8</b>
<b>5- Training center .....</b>	<b>9</b>
6- Payment .....	9
7- Validity of the offer .....	10



Lebanon - Qatar - Oman - Germany - USA  
www.aireds.group





**Workshop** : Main Road, Habaline, Amshit  
Jbeil, Lebanon  
**Offices** : Point Center, Blvd. Fouad Chehab  
Dekwaneh, Beirut, Lebanon  
**Phone** : + 961 1 491161  
**Fax** : + 961 1 491162  
**P.O. Box** : Sin el fil, 55021 Beirut, Lebanon  
[www.automationmate.com](http://www.automationmate.com)



المعمل : حبالين, الطاريق العام, عمشيت  
جيبيل لبنان  
المكاتب : بوينت سنتر, شارع فؤاد شهاب  
الدكوانة, بيروت, لبنان  
ت : +961 1 491161  
ف : +961 1 491162  
ص.ب : سن الفيل, بيروت, لبنان  
[www.automationmate.com](http://www.automationmate.com)

## Course Level: Step 7 –Maintenance–S7101

### 1- Who Should Attend?

- Commissioning Engineers
- Configuring Engineers
- Service Personnel
- Maintenance Personnel

### 2- Prerequisites

- Good PC skills are required, with a basic understanding of inverter principles and electronics knowledge would be beneficial but is not essential
- Knowledge of MicroWin PLC software would be advantageous but be not essential



Lebanon - Qatar - Oman - Germany - USA  
[www.aireds.group](http://www.aireds.group)



**Workshop** : Main Road, Habaline, Amshit  
Jbeil, Lebanon  
**Offices** : Point Center, Blvd. Fouad Chehab  
Dekwaneh, Beirut, Lebanon  
**Phone** : + 961 1 491161  
**Fax** : + 961 1 491162  
**P.O. Box** : Sin el fil, 55021 Beirut, Lebanon  
[www.automationmate.com](http://www.automationmate.com)



المعمل : حبالين, الطاريق العام, عمشيت  
جبيل لبنان  
المكاتب : بوينت سنتر, شارع فؤاد شهاب  
الدكوانة, بيروت, لبنان  
ت : +961 1 491161  
ف : +961 1 491162  
ص.ب : سنن الفيل, بيروت, لبنان  
[www.automationmate.com](http://www.automationmate.com)

### 3- Aims and Objectives

- On completion of the course the student will be able to:
- Knows the functionality of the product.
- Start up the software and its basic accessories.
- Understand the theory and practice behind analogue and digital I/O configuring
- Wiring and mounting
- Knows how we configure the hardware configuration using Simatic Manager.

### 4- Contents

- PLC Concept
- Simatic overview
- S7-300 Presentation
- Hardware Overview (Rack, PS, IM, CPU, CP, FM, SM...)
- Creating a new project with hardware configuration
- Using catalog, updates, GSD files...



Lebanon - Qatar - Oman - Germany - USA  
[www.aireds.group](http://www.aireds.group)



**Workshop** : Main Road, Habaline, Amshit  
Jbeil, Lebanon  
**Offices** : Point Center, Blvd. Fouad Chehab  
Dekwaneh, Beirut, Lebanon  
**Phone** : + 961 1 491161  
**Fax** : + 961 1 491162  
**P.O. Box** : Sin el fil, 55021 Beirut, Lebanon  
[www.automationmate.com](http://www.automationmate.com)

**automation**  
AUTOMATION, ENERGY & ROBOTICS



المعمل : حبالين, الطاريق العام, عمشيت  
جبيل لبنان  
المكاتب : بوينت سنتر, شارع فؤاد شهاب  
الدكوانة, بيروت, لبنان  
ت : +961 1 491161  
ف : +961 1 491162  
ص.ب : سن الفيل, بيروت, لبنان  
[www.automationmate.com](http://www.automationmate.com)

- Hardware addressing overview
- Wiring PLC and modules
- Diagnostic buffer – save as text file
- Archive and retrieve
- The symbol table
- Variable table – read and write variables
- Upload a station to an empty project
- Cross reference
- Compare projects (online – offline & offline – offline )
- Password protection

## Duration

One day



Lebanon - Qatar - Oman - Germany - USA  
[www.aireds.group](http://www.aireds.group)



**Workshop** : Main Road, Habaline, Amshit  
Jbeil, Lebanon  
**Offices** : Point Center, Blvd. Fouad Chehab  
Dekwaneh, Beirut, Lebanon  
**Phone** : + 961 1 491161  
**Fax** : + 961 1 491162  
**P.O. Box** : Sin el fil, 55021 Beirut, Lebanon  
[www.automationmate.com](http://www.automationmate.com)



المعمل : حبالين, الطاريق العام, عمشيت  
جيبيل لبنان  
المكاتب : بوينت سنتر, شارع فؤاد شهاب  
الدكوانة, بيروت, لبنان  
ت : +961 1 491161  
ف : +961 1 491162  
ص.ب : سن الفيل, بيروت, لبنان  
[www.automationmate.com](http://www.automationmate.com)

## 5- Training center

ITEC-AUTOMATE operates a Proof of Concept Automation Center, Live Demo & Training Facility, all

for the purpose of educating our engineers and clients on the latest industrial automation technologies.

Itec-automate teams are happy to share their knowledge.

We are offering different training courses in the following subjects:

- BECKHOFF embedded PLC and new automation design, using TWINCAT software.
- ETHERCAT, PROFINET and PROFIBUS training courses
- LAD, FBD, CFC, SFC and STL programming on different types of PLC's
- CAD solutions, using Engineering Base (EB) from AUCOTEC
- SIEMENS S7 200 training courses
- SIEMENS Step 7 - S7 300 and S7 400 Training courses
- SIEMENS WinCC flexible, for machine visualization solutions
- SIEMENS WinCC SCADA course
  
- DRIVES (VFD), to include SIEMENS and TOSHIBA drives courses
- Machine Safety courses, using PILZ products

Please send us a support request - [support@automationmate.com](mailto:support@automationmate.com) -; stating what kind of training you would like to attend. 5 6



Lebanon - Qatar - Oman - Germany - USA  
[www.aireds.group](http://www.aireds.group)



Workshop : Main Road, Habaline, Amshit  
Jbeil, Lebanon  
Offices : Point Center, Blvd. Fouad Chehab  
Dekwaneh, Beirut, Lebanon  
Phone : + 961 1 491161  
Fax : + 961 1 491162  
P.O. Box : Sin el fil, 55021 Beirut, Lebanon  
www.automationmate.com



المعمل : حبالين, الطاريق العام, عمشيت  
جيبيل لبنان  
المكاتب : بوينت سنتر, شارع فؤاد شهاب  
الدكوانة, بيروت, لبنان  
ت : +961 1 491161  
ف : +961 1 491162  
ص.ب : سن الفيل, بيروت, لبنان  
www.automationmate.com



	Price	Attendees	Price
S7-101	300 \$	1	\$ 300.00*

**In order to open the class a minimum of 4 students is required**

\*Excluding VAT.

## 6- Payment

100% upon Purchase

## 7- Validity of the offer

This offer can be changed or amended or canceled by itec-automate without any prior notice. Itec-automate sincerely appreciates the opportunity to be of service to the trainees

This offer is prepared by

and approved by

**Automate**



Lebanon - Qatar - Oman - Germany - USA  
www.aireds.group



**Workshop** : Main Road, Habaline, Amshit  
Jbeil, Lebanon  
**Offices** : Point Center, Blvd. Fouad Chehab  
Dekwaneh, Beirut, Lebanon  
**Phone** : + 961 1 491161  
**Fax** : + 961 1 491162  
**P.O. Box** : Sin el fil, 55021 Beirut, Lebanon  
[www.automationmate.com](http://www.automationmate.com)



**المعمل** : حبالين, الطاريق العام, عمشيت  
جبيل لبنان  
**المكاتب** : بوينت سنتر, شارع فؤاد شهاب  
الدكوانة, بيروت, لبنان  
**ت** : +961 1 491161  
**ف** : +961 1 491162  
**ص.ب** : سن الفيل, بيروت, لبنان  
[www.automationmate.com](http://www.automationmate.com)

**Should you have any questions or comments, please do not hesitate to contact us:**

Jad Wehbe (General Manager)..... +961 3 209 706

Salah Chlouk (Business development manager)..... +961 3 948 612

Samer Barakat (Technical Manager).....+961 3 151 179

Office .....+961 1 491 161



Lebanon - Qatar - Oman - Germany - USA  
[www.airesd.group](http://www.airesd.group)

