



ATS International B.V.

ATS World-Wide Training Certification

“Life long learning is the challenge”

ATS combines theory and practice, from the class room to the shop-floor and IT environment.



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Aerospace & Defense



Automotive



Metals & Mining



Energy & Utilities



Electronics



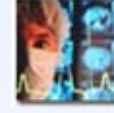
Food & Beverage



Consumer Products



Industrial



Life Sciences



Forest Products



Oil & Gas



Rubber



Semi Conductors



Chemicals



Transportation & Logistics

'ATS World-Wide Training Certification'

ATS Training has been providing industrial and process automation & IT training courses since 1986. Understanding that continuous improvement is at the heart of investments in some of these technologies ATS has also introduced Lean and Six Sigma courses for manufacturing and service organizations. Customers recognized the benefit and were soon asking:

“Our people’s knowledge is the key to our success, now and in the future. How can we provide structure to embrace their knowledge and empower our people to continuously improve, now and in the future?”

The answer to this question cannot be found with traditional product training and even less with an ad hoc approach to knowledge improvement. Educational experts understand that to be effective product training has to be accompanied by skills training (the tool and how to use it). Educational experts also understand the need to build knowledge in the same way we build a house (foundations first). Finally knowledge has to have context and relevance, in our case this is continuous improvement. By understanding the context our knowledge is focused and laser sharp.

ATS World-Wide Training Certification provides **SPACS**:

- **Skills**
- **Product Knowledge**
- **Application Knowledge**
- **Context**
- **Structure**

This integrated approach to knowledge development is structured using the ATS World-Wide Training Certification system.





This certification is intended for **maintenance**, **engineering**, **management** and **IT personnel**, combining a number of up-to-date training courses. By following this program, participants undertake a complete education program and acquire broad knowledge on automation aspects such as: **design, programming and practical maintenance skills**. Education in continuous improvement techniques is driven by the Lean and Six Sigma courses. Participants follow a series of standard ATS Training courses (which courses depends on the certificate desired) containing practical and theoretical exercises.

Participants will be trained on skills and competences, understanding concepts and will use several automation, IT platforms, lean and six sigma tools. The combination of ATS courses followed will lead to the desired level of certification through a points system. The combination of training courses will be defined in collaboration with the customer, depending on the level of knowledge and competence. This guarantees relevance and structure with ATS offering different certificates covering different target groups:

Certification Requirements

- | | |
|---|------------|
| 1. World-Wide Certified Maintenance Technician | 400 points |
| 2. World-Wide Certified Maintenance Engineer | 500 points |
| 3. World-Wide Certified Programmer | 500 points |
| 4. World-Wide Certified Engineer | 600 points |
| 5. World-Wide Certified Lean Practitioner | 400 points |
| 6. World-Wide Certified Six Sigma Practitioner | 500 points |
| 7. World-Wide Certified MES Consultant | 600 points |



ATS World-Wide Training Certification

ATS World-Wide Training Certification has value to both **companies** and **employees** who embrace the concept of **lifetime learning** and understand the value of knowledge and competence. To earn these certificates, certain conditions must be met:



- ✓ ATS Lecturers must assess and approve the trainee's competence at the end of each course
- ✓ Courses must be followed at a minimum of one per annum
- ✓ Participants must complete the full length of the courses in the desired award program within 3 years

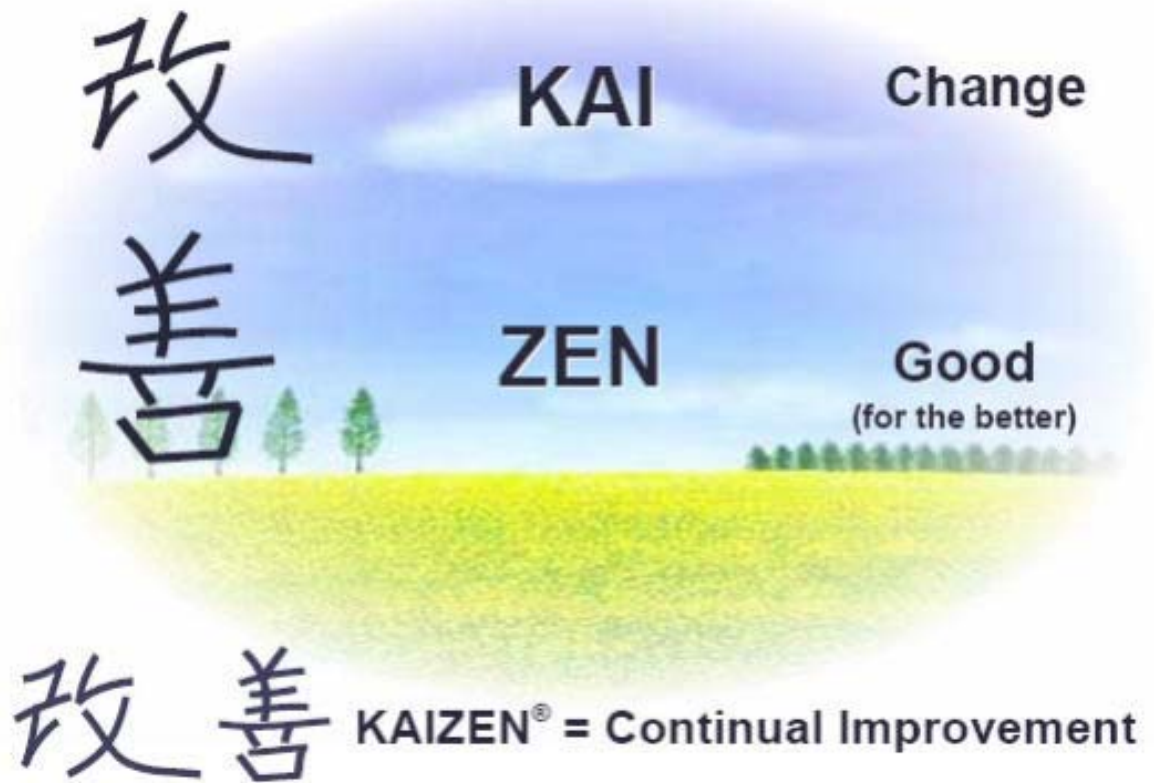
Program Advantages

As an Independent Solution Provider, ATS offers the technical **World-Wide Training Certification** based on different automation platforms (see ATS Training Schedules). The platform(s) of choice will be listed on the certification awards.

- ✓ Free choice of automation hardware platform
- ✓ Free Choice of automation software
- ✓ Additional Competence training, applying theory in the field
- ✓ Recognition of automation competence by employers and industry
- ✓ All courses offered by ATS anywhere in the world regardless of language are consistent and apply equally to an ATS World-wide Training Certification award.



Continuous Improvement
thru Training and Education



- ✓ Continuous Improvement (CI) or Kai_Zen initiatives deliver major benefits to organisations of all sizes
- ✓ Continuous Improvement in knowledge, both product and skill based is fundamental to CI
- ✓ ATS's WWT Certification provides a strategic solution to delivering continuous improvement of knowledge and skills over a long period of time cementing the CI process into your organisation
- ✓ Certification motivates and releases your team's energies and empowers them to use their newfound knowledge and skills to deliver continuous improvement in your organisation

ATS Training

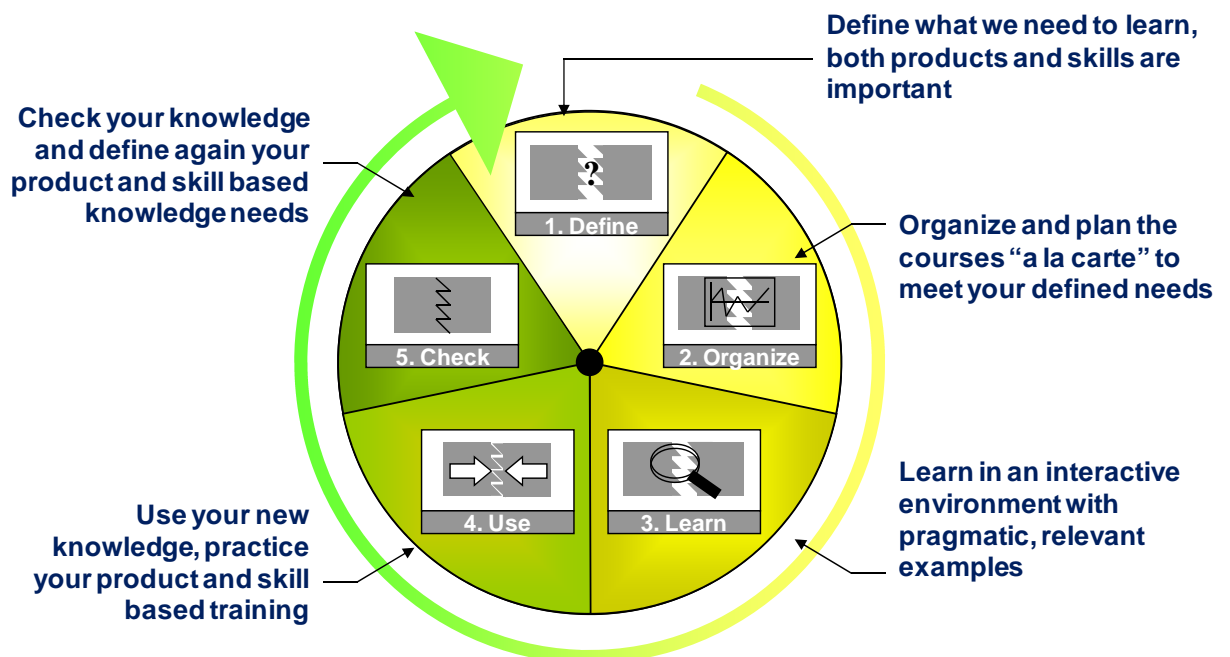
- ✓ Training program for product related training
- ✓ Specific courses for
 - ✎ Maintenance
 - ✎ Engineering
 - ✎ Information Technology
 - ✎ Manufacturing Execution Systems
 - ✎ Lean / Six Sigma
 - ✎ Management
- ✓ Skills based training compliments and reinforces the product training program
- ✓ Location
 - ✎ ATS Offices
 - ✎ In Company
 - ✎ On-Site
- ✓ Tailor Made training for companies



Learning in a Complex World

- ✓ We all recognize that knowledge is important in today's complex world
- ✓ Automation systems are inherently complex systems
- ✓ ATS's World-Wide Training Certification program provides a structured learning path for users of complex automation systems
- ✓ Our learning program is "a la carte", you learn what you need to learn for your "complex world"
- ✓ The WWT program is based on detailed research into the most successful ways to learn in complex environments
- ✓ Integrating product based with skills based training has proven benefits to our customers
- ✓ Small, interactive classes led by industry expert trainers use module based, pragmatic examples to "cement" the learning experience
- ✓ Workshops reinforce pragmatic training approach with sharing of best practices

The Learning Process



Scheduled Courses

Control & SCADA/HMI Training



- ✓ Control Technology
- ✓ Control Software Design
- ✓ IEC 61131-3 Application Development - PLCopen
- ✓ Skills - Trouble Shooting Automation Systems
- ✓ Skills - Software Construction for Automation Systems
- ✓ Skills - Maintenance of Automation Systems
- ✓ Skills - Automation Systems Design and Development
- ✓ DCS - Siemens PCS7 Maintenance
- ✓ DCS - Siemens PCS7 Programming
- ✓ HMI - Siemens ProTool
- ✓ HMI - WinCC flexible
- ✓ PLC - Allen-Bradley SLC-500
- ✓ PLC - Allen-Bradley PLC-5
- ✓ PLC - Allen-Bradley ControlLogix
- ✓ PLC - Allen-Bradley ControlLogix Advanced
- ✓ PLC - Allen-Bradley PLC-5, SLC500 and MicroLogix
- ✓ PLC - Proficy Logic Developer Machine Edition
- ✓ PLC - Mitsubishi FX/A and System Q Maintenance
- ✓ PLC - Mitsubishi FX/A and System Q Programmers
- ✓ PLC - Siemens S5
- ✓ PLC - Siemens S7 Maintenance and Trouble Shooting
- ✓ PLC - Siemens S7 Commissioning
- ✓ PLC - Siemens S7 for Programmers
- ✓ PLC - Siemens S7 for Advanced Programmers
- ✓ PLC - Siemens S7 with S7-SCL or S7-GRAPH
- ✓ SCADA - Citect
- ✓ SCADA - InTouch
- ✓ SCADA - Proficy iFIX
- ✓ SCADA - Proficy Cimplicity
- ✓ SCADA - RSView32
- ✓ SCADA - RSView Studio (SE) Supervisory Edition
- ✓ SCADA - RSView Studio (ME) Machinery Edition
- ✓ SCADA - WinCC

Scheduled Courses
Communication & Networks Training



- ✓ Administering Windows 2003 Networks
- ✓ Industrial Data Networks
- ✓ Industrial Ethernet - General
- ✓ Siemens Profibus
- ✓ Siemens ProfiNet
- ✓ Siemens Industrial Ethernet
- ✓ Rockwell DeviceNet/ControlNet/Ethernet IP

Scheduled Courses
Programming & Databases Training



- ✓ Visual Basic 6
- ✓ Visual Basic .NET
- ✓ C Programming
- ✓ C++ Programming
- ✓ C# 2005 Programming
- ✓ Database Design and Administration
- ✓ SQL Server Administration

Scheduled Courses
Manufacturing Execution Systems Training



- ✓ MES - General
- ✓ MES - Activplant
- ✓ MES - Plant2Business
- ✓ MES - Proficy Historian
- ✓ MES - Proficy Real Time Information Portal
- ✓ MES - Wonderware Industrial Application Server
- ✓ MES - Wonderware Industrial SQL Server

Scheduled Courses

Lean Manufacturing & Six Sigma Training



- ✓ Failure Mode and Effects Analysis (FMEA)
- ✓ Lean / Sigma Introduction
- ✓ Lean Manufacturing - 5S
- ✓ Lean Manufacturing - Problem solving
- ✓ Overall Equipment Effectiveness (OEE)
- ✓ Poka Yoke - Mistake proofing
- ✓ Total Productive Maintenance (TPM)
- ✓ Six Sigma - Yellow Belt
- ✓ Six Sigma - Green Belt