

We have been steadfast in your corner for 25 years...



About Us;

For twenty-five years, we have contributed in adding value to more than a thousand organizations, including domestic and international brands, as well as small and medium-sized businesses, through our training and consultancy services on Management System and Productivity Management. We continue to do so today.

At the same time, we continue our R&D activities with our Management System Software and Online Education Platform, which we have developed in the prestigious Uludağ University ULUTEK Technology Development Zone.

Around 20 of our experts, who strive every day to be on the cutting edge with their knowledge and skills, take great pride in sharing their expertise on a comprehensive multitude of systems, standards, approaches, and techniques related to management, supported by software and online education infrastructure.

OUR SERVICES

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1- What is Lean Production/Lean Transformation?

*“Simplifying a task is a work of genius.”
Albert Einstein*

Lean Production focuses on simplifying business processes to eliminate waste, increase efficiency, and ensure customer satisfaction by meeting their expectations. It provides various methods and tools to organizations to achieve this. The implementation of Lean Production tools initiates a cultural transformation within organizations.

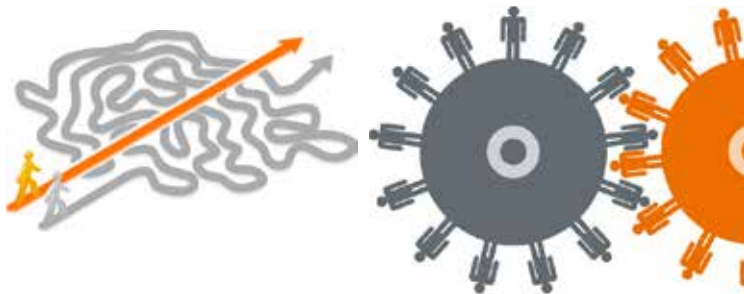
What are the benefits?

It ensures the continuity of the quality of products/services offered to customers, shortens product cycle time (increases production speed), reduces waste, and enhances the organization’s competitiveness. Additionally, it fosters a cultural transformation by improving the organization’s problem-solving capabilities both individually and in teams.

Refer to the next page for our training list.
Please contact us for our consultancy services.

Short term courses on Lean Production / Lean Transformation

Code	Courses	duration (hour)	
		Min.	Maks.
YA 01	Introduction to Lean Production	4	7
YA 01b	Lean Transformation	4	7
YA 02	5S (Workplace Organization)	4	14
YA 02b	5S Awareness (Workplace Organization)	2	4
YA 02c	5S Office Organization	4	14
YA 02d	5S Internal Auditor	4	7
YA 03	VSM (Value Stream Mapping)	4	14
YA 04	KAIZEN (Continuous Improvement)	4	14
YA 05	SMED (Single Minute Exchange of Die)	4	7
YA 06	TPM (Total Productive Maintenance)	7	14
YA 06b	OEE (Overall Equipment Effectiveness)	2	4
YA 07	KANBAN (Pull System)	4	7
YA 08	Poka-Yoke (Error Proofing)	2	4
YA 10	Autonomous Maintenance Training with Simulation	7	7
YA 11	Basic Problem Solving Techniques	7	14
YA 12	Visual Factory	2	4
YA 13	A3 Problem Solving Technique	4	7



2- What is Lean Six Sigma/Green Belt - Black Belt?

Lean Six Sigma is the synthesis of two of the most effective approaches used in productivity methods. It combines Lean Production's focus on value and waste with Six Sigma's powerful problem-solving tools.

It is a project-based team effort that aims to improve by transforming all available and obtainable data into information. Projects focus on the organization's strategies, costs, and customer expectations. Lean Six Sigma guides organizations to excellence by reducing costs while meeting customer expectations.

In Lean Six Sigma, every project is managed by a team formed to solve a specific problem. These teams are led by Green Belts or Black Belts, who are equipped with project management and problem-solving techniques.

What are the benefits?

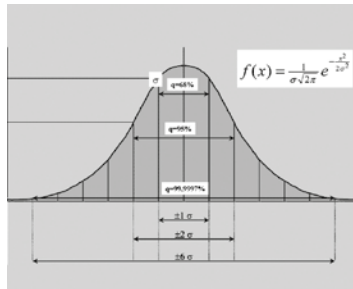
Lean Six Sigma is the most effective team-based problem-solving methodology recognized globally. Through the DMAIC approach, the organization's problem-solving capability improves, and "Poor Quality Cost" significantly decrease.

"The problem-solving capability of an organization determines its competitiveness."

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Short term courses on Lean Six Sigma

Code	Courses	duration (hour)	
		Min.	Maks.
AS 01	Introduction to Lean Six Sigma	4	7
AS 02	Lean Six Sigma Team Members	7	21
AS 02b	Lean Six Sigma Yellow Belt	21	28
AS 03	Lean Six Sigma Green Belt	56	84
AS 04	Lean Six Sigma Black Belt	112	156
AS 04b	Lean Six Sigma Black Belt Completion	56	70
AS 05	Lean Six Sigma Master Black Belt	2 years experience	
AS 06	Basic Statistics	4	7
AS 07	Regression, Correlation, and Variance Analysis	7	14
AS 08	Hypothesis Testing	7	14
AS 09	Design of Experiments (DOE)	7	21
AS 10	Measurement Systems Analysis (MSA)	4	7
AS 11	Quality Function Deployment (QFD)	4	7
AS 12	Process Measurement and Capability Analysis	4	14
AS 13	Time Series (Trend Analysis)	4	14
AS 52	Data Analysis with Minitab	7	21
AS 54	Data Analysis with Sigma XL	7	21



3 -What is OPEX (Operational Excellence)?

Operational Excellence, commonly referred to as OPEX, is a comprehensive strategy aimed at the continuous improvement of companies. It consists of systematic activities designed to create sustainable success and competitive advantages. It is a holistic approach that fosters a culture of continuous improvement at all levels of the organization.

When building this structure, activities and priorities are determined in line with the company's vision and goals. At this point, it is important to accurately identify employees' training needs and provide the right education. Tools such as Lean, TPM (Total Productive Maintenance), and Six Sigma are used to achieve operational excellence. The results are monitored, and performance is measured.

What are the benefits?

Through process optimization, costs decrease, and productivity increases. Moreover, potential risks are either eliminated or minimized. By enhancing employees' creativity, a foundation for innovation is laid. As a result, increased quality leads to customer satisfaction and loyalty. This success in business processes boosts the organization's competitiveness and motivates employees, contributing to cultural transformation.

Activities on Operational Excellence

Code	Courses	duration (day)	
		Min.	Max.
1	Establishment of Strategic Structure	8	12
2	Performance Management	3	5
3	Use of Tools (Work study, Ergonomics, Lean Production Techniques, TPM, Six Sigma)	120	240
4	Employee Trainings (individual and team development training)	16	24

Refer to the next page for our training list.
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4- What is Process Management/Process Improvement?

The primary issue in over 90% of our organizations is process management. Process management involves defining processes, analyzing risks and opportunities, setting goals, monitoring performance, and making improvements.

If a process has a defined name, owner, responsibilities, purpose, activities, inputs, outputs, resources, documented information, risks, opportunities, objectives, performance indicators, and relationships with other processes, then that process is considered defined.

However, simply defining processes is not enough; employees must be made aware of them and ensure their implementation.

Process improvement, on the other hand, should begin with measuring, monitoring, and comparing the performance of processes against set goals and reporting the results. Based on performance outcomes, processes should be continuously improved using systematic approaches.

What are the benefits?

It enhances internal communication and performance within the organization. It forms the foundation of standardization and institutionalization. Process improvements reduce costs and boost the organization's competitiveness.

Short term courses on Process Management / Process Improvement

Code	Courses	duration (hour)	
		Min.	Maks.
KA 01	Process Design and Management	4	21
KA 02	Process-Based Risk Analysis	4	14
KA 03	Corporate Performance Management	4	7
KA 04	Balanced Scorecard	4	7
KA 05	Process Improvement	7	28
KA 07	Strategic Planning	4	7
TZ 01	Supply Chain Management	7	14
TZ 03	ISO 28000 Supply Chain Security Management System	4	14

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5- What are General Management Systems (ISO 9001, 14001, 45001, 50001)?

In a world where goods and services are traded across borders without limits, power centers have been working since the 1980s to establish a common language regarding organizations' activities in areas such as quality, environment, occupational health and safety, energy, and more. These languages, which impact how organizations are managed, have been published and updated as Management Systems Standards since 1987. These standards include:

- ISO 9001: To ensure product quality continuity and customer satisfaction,
- ISO 14001: To minimize environmental aspects and impacts,
- ISO 45001: To ensure a safe working environment,
- ISO 50001: To ensure the efficient use of energy,
- SA 8000 / ISO 26000: To fulfill social responsibility,
- ISO 17025: To ensure the reliability of laboratory results,
- And others for different sectors.

These languages (standards), created for various topics regardless of the sector, are standards that concern the management of organizations.

What are the benefits?

They enable managers and relevant employees to understand these languages (standards) and gain the necessary competencies to implement them in their organizations. They also form the foundation for the institutionalization and increased efficiency of organizations.

Refer to the next page for our training list.
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Short term courses on General Management Systems

Code	Courses	duration (hour)	
		Min.	Maks.
KA 01	ISO 9001 Quality Management System	4	14
KA 02	ISO 9001 Quality Management System Internal Auditor	7	21
KA 02b	ISO 19011 Internal Auditor	7	14
KA 03	Quality Awareness	2	4
KA 03b	Management Systems and Change Management	2	4
KA 04	Documented Information Management	4	7
KA 08	ISO 10002 Customer Complaints Management System	4	7
CY 01	ISO 14001 Environmental Management System	4	7
CY 03	Environmental Awareness	2	4
IG 01	ISO 45001 Occupational Health and Safety Management System	4	7
EN 01	ISO 50001 Energy Management System	4	7
BG 01	ISO/IEC 27001 Information Security Management System	4	7
EY 01	Integrated Management Systems (9001-14001-45001-50001)	4	21
EY 02	Integrated Management Systems (9001-14001-45001-50001) Internal Auditor	14	21
LA 01	ISO/IEC 17025 Laboratory Accreditation	4	14
LA 03	Measurement Uncertainty	7	21
TC 01	Quality Management System for Medical Devices (ISO 13485:2003)	7	14



6- What are Automotive Management Systems IATF 16949 / Core Tools?

Dozens of well-known car brands worldwide are developing automobiles in different segments. Hundreds of different models from various brands and segments are renewed every 5 to 7 years. Considering that each car consists of thousands of parts sourced from hundreds of suppliers, we are talking about a supply chain network where hundreds of thousands of parts are introduced as new products each year and millions of parts must maintain their quality.

To achieve this, the automotive industry has developed its own Quality Management System (IATF 16949) and tools (core tools). As a result, automobile manufacturing is considered the most efficient production in the world.

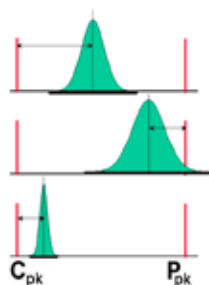
What are the benefits?

Companies that successfully implement the Automotive Quality Management System (IATF 16949) and its tools (core tools) ensure the continuity of the quality of the products they offer to customers. They also ensure the safe introduction of new products, reduce costs, and increase customer satisfaction.

Refer to the next page for our training list.
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Short term courses on Automotive Industry Management Systems

Code	Courses	duration (hour)	
		Min.	Maks.
OK 01	IATF 16949 Automotiv Industry QMS	7	14
OK 02	IATF 16949:2016 Internal Auditor (ISO 19011 Compliant)	14	21
OK 03	Cost of Poor Quality	4	7
OK 04	Process FMEA	7	14
OK 04b	Control Plans (CP)	4	7
OK 05	Design FMEA	7	14
OK 06	Statistical Process Control (SPC)	7	14
OK 07	Measurement Systems Analysis (MSA)	4	7
OK 08b	Advanced Product Quality Planning (APQP)	4	7
OK 08c	Production Part Approval Process (PPAP)	4	4
OK 09a	Global 8D + Problem Solving Techniques	7	14
OK 09b	A3 Problem Solving Technique	4	7
OK 10	Geometric Dimensioning and Tolerancing (GD&T)	14	21
OK 11	VDA 6.3 Process Audit	14	21
OK 12	OEE (Overall Equipment Effectiveness)	2	4
AS 52	Data Analysis with Minitab	7	21
AS 54	Data Analysis with Sigma XL	7	21



7- What are Food Safety Standards (BRC, IFS, 22000)?

BRCGS (British Retail Consortium Global Standards)

BRCGS is a market-leading global brand that helps build trust in the supply chain. It sets requirements for good manufacturing practices in Global Standards for Food Safety, Packaging Materials, Storage and Distribution, Consumer Products, Agents and Brokers, Retail, Gluten-Free, Plant-Based, and Ethical Trade. It helps assure customers that products are safe, legal, and of high quality.

IFS (International Featured Standards)

IFS is an internationally recognized standard for food safety and quality management in the food sector, including retail. IFS Certification aims to establish a management system and standards to ensure food safety and quality throughout the supply chain. This certification advances standards and programs such as IFS Food, IFS Logistics, and IFS PACsecure, covering applications in food, logistics, packaging, brokerage, and more.

ISO 22000 / FSSC 22000 (Food Safety Management Systems)

These systems outline requirements for an effective food safety management system. The program provides a certification model that can be used in the food production sector and the related supply chain to ensure food safety standards and processes. FSSC 22000 includes all the requirements of the ISO 22000 standard and is GFSI-approved, covering sector-specific prerequisite programs and additional requirements.

What are the benefits?

Companies that successfully implement food safety standards and tools ensure the continuity of food safety and quality for the products they bring to market. They also increase customer satisfaction and loyalty.

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Short term courses on Food Safety

Code	Courses	duration (hour)	
		Min.	Maks.
GG 01	ISO 22000 Food Safety Management System	7	14
GG 02	ISO 22000 Food Safety Management System Internal Auditor	7	14
GG 03	Hygiene Training	2	4
GG 04	HACCP and Operational Prerequisite Program	4	7
GG 05	BRC – Food Safety Standard	7	14
GG 06	IFS - International Food Standard	7	14



8- What is Personal Development/Specialization Programs?

“Knowledge is Power.”

Achieving your career goals is possible through personal development. Personal development is continuous; constantly learning and adding value to yourself forms the foundation of personal growth. It is equally important to correctly identify your needs and access the right information for personal development.

No matter which sector or position you are in, beyond the other knowledge you may require, it is essential to have an understanding of relevant management systems and to improve your problem-solving skills.

What are the benefits?

With the Specialization Programs provided, you can learn globally recognized standards, methods, and tools in management systems and productivity management, helping you stand out in your career and more easily reach your career goals.

Short term courses on Personal Development / Specialization Programs

Code	Courses	duration (hour)	
		Min.	Maks.
UP 01	Quality Officer Specialization Program	42	56
UP 02	IATF 16949 Officer Specialization Program	49	63
UP 03	Lean Transformation Leader Specialization Program	49	63
UP 04	Lean Six Sigma Green Belt Program	56	84
UP 05	Lean Six Sigma Black Belt Program	112	154
KG 01	Effective Communication Training	7	14
KG 03	Teamwork and Team Leadership Training	4	7
KG 04	Traing the Trainer Program	7	14
KG 07	Effective Presentation Techniques Training	7	14

**Refer to the next page for our training list.
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9- What is Sigma Academy (Online Training Platform)?

Sigma Academy is an online training platform launched by Sigma Center in 2011.

As Sigma Center, we have created a qualified online education infrastructure based on the knowledge and experiences we have gained since 1999. This allows our training programs to be accessible to everyone, anytime, anywhere, and at a much lower cost.

In addition to our training programs, you can access books, posters, educational materials, and application examples that we offer for sale in the online shopping section.

For more information, visit <https://www.sigmaakademi.com/>

The topics covered in the online trainings, books, and application examples available at Sigma Academy include:

No	Subject of trainings
1	Lean Production
2	Six Sigma
3	Minitab
4	Management Systems
5	Automotive (IATF 16949)
6	Strategic Management
7	Engineering & Technical
8	Finance
9	Personal Development





10- What is AltaSoft, Management Systems Software?

AltaSoft has been developed based on the experiences gained from 25 years of management consultancy work conducted with over 1,000 organizations and numerous experts.

These experiences include practices implemented in hundreds of companies in areas such as:

- Process design, management, and improvement efforts,
- Establishment and activation of Quality, Environment, Occupational Health and Safety, and Energy Management Systems,
- Establishment and activation of Automotive Supply Chain Management Systems,
- Problem-solving and process improvement efforts using Lean Production and Six Sigma methods.

These experiences have shown us that significant challenges and losses occur in the implementation and maintenance of management systems. AltaSoft is a software that provides solutions to reduce these challenges and losses.

The modules and algorithms of AltaSoft have been developed considering internationally recognized standards and techniques. Therefore, AltaSoft can be used by any organization around the world that adopts at least one of these standards and techniques.

AltaSoft is a product of Sigma Center.

For more information, visit <https://www.altasoft.com.tr>.

The modules of ALTASOFT Management Systems Software



