



Adoksan's Industry 4.0 Strategy



Current Status

Planning

Business Model Strategy

A maturity test for industry 4.0 was conducted by an independent institution (Smart Factories) within Adoksan and the current status was determined as 1.65 out of 4.

Industry 4.0 targets were determined under 8 headings by Smart Factories within Adoksan and a roadmap was created. The roadmap has been integrated with Adoksan strategies and the transformation process is continued methodologically.

Current status and targets have been determined in 8 axes within Adoksan, and the roadmap to be followed in order to reach the targets from the current status has been integrated with the company strategies.



- Products, Equipment and Services: It is planned to start using software that will provide instant analysis of the data being monitored live, increasing the communication capabilities of production equipment, expanding the traceability infrastructure of machinery and equipment.
- Production and Processes: It is planned that paper forms will be removed from all processes and related information will be transmitted via digital systems, MES software will be made able to communicate with machine automation and processes will be managed instantly, and data collected from equipment will be used in preventive maintenance activities.
- Technology and Integration: It is planned to disseminate technologies such as data analysis, embedded systems, RFID, RTLS, GPS, machine learning, etc. in processes, to acquire a PLM software, to make necessary arrangements on the softwares to ensure horizontal and vertical integration, or to acquire software and hardware suitable for integration.
- Data acquisition and Management: It is planned to start collecting instant data from all appropriate processes, to use software that can process the collected data in real time and to make autonomous decisions, and to use the acquired analysis know-how to offer new services to customers.
- Supply Chain and Stakeholders: It is planned to increase the amount of analysis made about customers, to integrate systems with customers and suppliers in appropriate processes, and to start using authority and role-based data sharing technologies with stakeholders.
- Security and Access: It is planned to provide periodic cyber security management trainings to all employees, to investigate the use of authorization and role-based data access technologies over the cloud, to take cyber security measures regarding data security on the cloud, and to include service partners and customers in risk management.
- Strategy and Organization: It is planned to provide lean and digital transformation awareness and benefits trainings to all employees,, to research the needs related to the determined digital transformation roadmap items and the regulations and technologies that will meet the needs, to increase the use of data in decision-making processes, to research and implement agile management models, lean management approaches are planned to be implemented in order to increase the return on digital transformation investments.
- Culture: It is planned to organize trainings and events to raise awareness of the desire for change and the benefits of change in employees, to receive the necessary training for senior management to lead the digital transformation and lean transformation process, to raise awareness of the benefits of data-based decision-making, and to implement agile management models.