



This project is co-financed by the European Union
and the Republic of Türkiye



ICTürkiye2025
10 April, İstanbul

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KEYDATA



Description of the Organisation

As an **R&D Center**, KEYDATA Bilgi İşlem Teknoloji Sistemleri A.Ş. is a subsidiary of YDA Holding, specializing in **system integration solutions** with a primary focus on **Public-Private Partnership (PPP) projects in the healthcare sector**, since 2017. In addition to healthcare, KEYDATA provides **state-of-the-art technology solutions** for the **telecommunications, finance, manufacturing, public, and service sectors**.

KEYDATA company aims to grow in both local and global markets for system integration and critical business applications provider, especially in the public and healthcare sectors. KEYDATA delivers **IT solutions and services** for **system integration and critical business applications**, particularly in the **public and healthcare sectors**.

Our expertise includes portal and workflow solutions, customer relationship management (CRM), document and enterprise content management, service desk and IT service management, identity management, messaging and unified communication, data center solutions, network and security components, system management, data storage and virtualization, business continuity, ERP, and specialized healthcare solutions.

Your Teams' Expertise



Keydata, with its highly skilled and experienced IT certificated professionals, commitment to quality, partnerships with global technology vendors, global and local business connections, Keydata makes an ideal partner for companies that need a trustworthy IT service provider.



Keydata has 4 business units: Keydata Outsourcing, Keydata Software, Keydata Infrastructure and Keydata IT Technology Consultancy.

Your Research Fields

1. Software and Digital Solutions

KEYDATA provides tailored software solutions and AI-driven digital transformation technologies. Our services include **custom mobile, web, and desktop application development**, ensuring scalable and secure solutions for enterprises. We specialize in **AI-powered solutions**, leveraging machine learning, deep learning, and NLP for data analytics and automated decision support systems. Additionally, we develop **digital healthcare solutions**, utilizing **Federated Learning (FL)** to train AI models while preserving patient privacy and data security.



3. Emerging Technologies

KEYDATA pioneers cutting-edge technologies, including **blockchain, federated learning, and IoT-driven smart solutions**. Our **blockchain and federated learning solutions** enhance **data security, decentralized authentication, and privacy-preserving AI model training** for healthcare and finance sectors. We offer **IoT-based solutions**, enabling **real-time data collection, industrial automation, and smart device management** across industries such as healthcare, energy, and manufacturing. These solutions empower organizations with predictive analytics, remote monitoring, and enhanced operational efficiency.



2. Network and Security Solutions

We ensure the seamless, secure, and high-performance operation of enterprise systems through robust infrastructure and security solutions. Our **network infrastructure and security services** offer wired and wireless solutions tailored to organizational needs, along with cybersecurity measures for threat detection and data protection. We provide **datacenter and system solutions**, including **enterprise data center installation and management**, disaster recovery, and business continuity planning. KEYDATA currently manages **12 datacenters within 6 PPP healthcare campuses in Turkey**, ensuring optimized system integration and healthcare data management.



4. Healthcare and Industrial Solutions

We provide AI-driven and IoT-enabled solutions tailored for the healthcare industry and beyond. Our **healthcare IoT solutions** include **smart patient monitoring, real-time medical data collection, and AI-powered diagnostics**. Through **KeyHIMS**, our **Hospital Information Management System (HIMS)**, we enable seamless **electronic health record (EHR) management and clinical decision support**. Additionally, our **PPP healthcare campus integration services** optimize real-time healthcare analytics, **AI-powered health data analysis** to enhance patient care and hospital efficiency.



Your On-going Projects

Our Internationally Supported Project: We are currently involved in a horizon project called Climair, HORIZON-HLTH-2024-ENVHLTH-02-06-two-stage. The ClimAir project will analyze data related to climate change, air pollution, and non-communicable respiratory diseases using artificial intelligence tools. These analyses will be used to develop better intervention methods and improve public health. Our task here is to develop artificial intelligence models using the Federated Learning (FL) method to protect patient privacy.



climair

Our Nationally Supported Project: The R&D team at KEYDATA conducts extensive research in the fields of artificial intelligence, deep learning, and machine learning. Our work, particularly focused on detecting anomalies in time series data, includes developing decision support solutions primarily for the healthcare and finance sectors. Currently, we are working on a TÜBİTAK-supported artificial intelligence project for the health sector, aimed at detecting anomalies in invoices issued by service providers.



Our Products;

- KeyHIMS is hospital information management system to use in hospitals that covers both medical, financial administrative and back Office applications of a hospital. There is also a Mobile application so you may only use mobile phone to track patient records and examine their radiological imagery.
- Keydesk is an ERP solution and service desk software. KeyDesk includes all medical and performance parameters as per City Hospital contracts.
- Keyos is a very useful, userfriendly interfaced operating system
- KeyLMS is a remote learning management system that customer can make video lessons, quizzes, exams and track them.
- Keycloud is a cloud based file sharing system like onedrive.





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