



# MANUFACTURING EXECUTION SYSTEMS



# ABOUT US

**X SAT FZE Group** is a UAE-based company with over 15 years' experience in the IT & Telecommunications industry that offers proven experience in combination with the latest working methods, application of the vast knowledge, and competencies of our expert staff.

We believe that strong and long-term relationships with customers depend on the quality of provided services and selected solutions, open communication, transparency and commitment to a partnership.

People are our key assets who bring in the knowledge, domain expertise and experience which accelerates the sustainable growth of the company. Our project team consists of industry experts with years of experience in IT systems design, implementation, installation, start-up and support.

## Participation in the Entire Project Life Cycle

- ✓ Feasibility studies and surveys,
- ✓ Conceptual and basic design,
- ✓ Detailed engineering,
- ✓ Documentation design,
- ✓ Application development,
- ✓ Supply of hardware and software,
- ✓ Fabrication and testing,
- ✓ Installation and deployment,
- ✓ Pre-/Commissioning and start-up,
- ✓ Support and maintenance,
- ✓ On-site migrations, modifications and upgrades,
- ✓ Training and education.

We specialize in design and supply of MES and IT systems for the industrial sector and processing plants.

We have the most experienced in development of Manufacturing Execution Systems (MES) for oil and gas industry.

# VISION AND MISSION

Our mission is to provide customers around the world with cost-effective IT consulting and engineering services across a wide range of industries with an integrated, highly qualified professional team with real-world knowledge and practical experience.

We focus on the latest software products with intuitive functionality and easy-to-maintain solutions that ensure our customers do not depend on expensive, unique technologies and personnel.

## Key factors to success

- ✓ Provision of professional services within the contracted project schedule, and allocated budget,
- ✓ Integrated collaboration strategy and transparency of all business processes for the parties involved,
- ✓ Implementation of the latest software tools and best practices in project and personnel management.

**“Become a leader in IT services and deliver global, flexible, fast, inexpensive and innovative technological solutions.”**

**“Help clients achieve their goals with creative and cost-effective solutions.”**

# OUR MARKETS

Engineering resources and domain consultants at our company bring a diverse knowledge base with them from working with variety of process industries. This enables us to widen our reach across multiple markets, and still be your single source strategic partner for all your engineering requirement, capabilities and resource needs.

We offer our clients IT services for the definition and selection of hardware and software technologies, development of design documentation, project management and control of project implementation.

## Experts in Various Industries

Oil and Gas Offshore and Onshore (Upstream)	Brownfield Projects	Oil and Gas Refinery (Downstream)	Project development and support
Greenfield Projects	Oil and Gas Transportation and Storing (Midstream)	Site Modifications, Upgrades and Modernization	Energy Generation and Distribution

# WHY US?

- ✓ Long-term relationships with our clients,
- ✓ Rich experience in various industries and spheres,
- ✓ Specialized knowledge in the field of IT engineering and design,
- ✓ Innovative IT technologies,
- ✓ Multidisciplinary team and many services under one roof,
- ✓ Ready for use “End-to-end” Solutions,
- ✓ Commitment to quality and schedule,
- ✓ Flexibility and customer focused approach.

## Value Driven Solutions

<b>Continuous involvement in the project</b>	Remote communication and collaboration tools	<b>Integrated Project Approach</b>	Optimizing design and implementing the latest innovations to reduce capital and operating costs
Entire Project Life Cycle Support	<b>Global World Experience</b>	Integrated project execution together with the Client and/or End-user	<b>CAPEX and OPEX Reduction</b>

# OUR SERVICES

Our proven implementation services ensure your solution helps you get the most out of it. With a ready-made approach, we work with you to understand your business goals, accelerate service rollouts, and prepare for future improvements.

We provide a full package of services on our own or participate in a project as part of an integrated project team on the Client or End-user side.

Our highly qualified and professional staff bring valuable experience and knowledge to every project.

## Service Offerings

### Engineering and Design

- ✓ Conceptual and Basic Design,
- ✓ Detailed Engineering, Documentation Design,
- ✓ Application Design,
- ✓ End-to-end Solutions,
- ✓ Migrations, Modifications and Upgrades,
- ✓ Integration of Technologies.

### Project Implementation

- ✓ Project Management,
- ✓ IT Systems Supply,
- ✓ Fabrication and Testing,
- ✓ Installation and Deployment,
- ✓ Commissioning and Start-up,
- ✓ Support and Maintenance,
- ✓ On-site Modifications.

### Consultancy

- ✓ Feasibility Studies,
- ✓ Site Surveys,
- ✓ Business Process Engineering, Process Flow Transformation,
- ✓ Electronic Business Support,
- ✓ Training and Education,
- ✓ Cost and Schedule Estimation.

# OUR SOLUTIONS

## OVERVIEW

We provide robust, reliable and time-proven solutions using the most advanced technologies available at the market of industrial automation and IT, which are fully scalable, customizable and easy for maintenance and upgrades.

## Solution Offerings

### Manufacturing Execution Systems

- ✓ Production Accounting System,
- ✓ Integrated Activity Planning System,
- ✓ Integrated Asset Modelling,
- ✓ Events and Deferrals Management System,
- ✓ Laboratory Information Management System,
- ✓ Production Web Portal,
- ✓ Real-time Databases,
- ✓ Relational Database Management System,
- ✓ Reporting System.

### Industrial IT Applications

- ✓ Electronic Document Management System,
- ✓ Business Management System,
- ✓ Computerized Maintenance Management System,
- ✓ Any other Industrial IT applications.

# OUR SOLUTIONS

## MANUFACTURING EXECUTION SYSTEMS

We offer **Manufacturing Execution Systems** of any complexity and size for industrial plants, developing fields, and enterprises, which cover each aspect of production process of the Client.

### Solution Offerings

- ✓ **Production Accounting System (Tieto Energy Components)**  
Continuous management and accounting of production data, tracking of products from production up to sales.
- ✓ **Integrated Activity Planning System (Anyplan)**  
Planning of all the major and critical activities - projects, production and maintenance in one network of activities.
- ✓ **Integrated Asset Modelling (OVS, IFM Petex)**  
Modelling and simulation of the entire plants and development fields for effective optimizing and forecasting.
- ✓ **Events and Deferments Management System (PI System)**  
Real-time registration and classification of all levels of production events occurred at the plant.
- ✓ **Laboratory Information Management System (Abbott STARLIMS)**  
Complete support of modern laboratories operation of any enterprises and any industry.
- ✓ **Production Web Portal (AVEVA PI Web-server, Wonderware IAS)**  
Deployment and hosting of live web applications with real-time and historical data in form of graphics, charts, tables.
- ✓ **Real-time Databases (AVEVA PI System, Wonderware Historian, Honeywell PHD)**  
Efficient collecting, storage and archiving of time series data, data analytics, and process optimization.
- ✓ **Relational Database Management System (MS SQL, PostgreSQL, Oracle DB, eXtremeDB)**  
Integration of popular database types into a single system using advanced configuration tools.
- ✓ **Reporting System (MS SQL Reporting, SAP BO)**  
Generation of production reports basing on collected data from other systems of any complexity, size and format.



# OUR SOLUTIONS

## INDUSTRIAL IT APPLICATIONS

We provide robust, reliable and time-proven **IT solutions** using the most advanced technologies available at the market of industrial automation and IT, which are fully scalable, customizable and easy for maintenance and upgrades.

### Solution Offerings

- ✓ **Electronic Document Management System (Opentext, MS Sharepoint)**  
A system that helps organizations centralize, store, search and access documentation from a variety of systems and locations, thus increasing productivity, reducing mistakes from incorrect document versions, and ultimately helping companies save money.
- ✓ **Business Management System (MS Sharepoint)**  
A set of software tools for strategic planning and tactical implementation of processes and procedures that are used in the development, deployment and execution of business plans and strategies and all associated management activities.
- ✓ **Computerized Maintenance Management System (SAP S4 HANA)**  
CMMS is software that centralizes maintenance information and facilitates the processes of maintenance operations. It helps optimize the utilization and availability of physical equipment like vehicles, machinery, communications, plant infrastructures and other assets.
- ✓ **Any other IT industrial applications**  
HelpDesk, Environmental Monitoring, Asset Management System, Production Dashboards, etc.

# QUALITY, OCCUPATIONAL HEALTH & SAFETY MANAGEMENT

We undertake the appropriate steps to implement the principles set forth in standards:

- ✓ ISO 9001:2015  
Quality Management Systems
- ✓ ISO 14001:2015  
Environmental Management Systems
- ✓ ISO 45001:2018  
Occupational Health & Safety Management Systems

Our Integrated Management System is developed and maintained in full compliance with the standards and certified by accredited bodies.

Our company attaches great importance to maintaining a high-quality standard for design and engineering services.



We have defined quality processes customized for IT engineering services type business.

Our company is dedicated to the concept that all injuries and harm are preventable and have adopted a “**ZERO Harm**” philosophy.

## Our OH&S Goals are:

- ✓ ZERO Fatalities, Injuries, Occupational related illnesses
- ✓ ZERO Lost Work Day Cases,
- ✓ ZERO Non-Compliance with Statutory Requirements,
- ✓ ZERO Accidents not reported,
- ✓ ZERO Vital Rules Non-Conformance,
- ✓ ZERO Environmental Incidents.



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