

### 1.1. System name

Zyfra IIoT Platform (developed by Zyfra LLC)

### 1.2. Objectives of the system

Zyfra IIOT Platform is a system of software tools designed to solve production digitization problems using the stack of the industrial Internet of things, machine learning and artificial intelligence technologies.

Key business functions of the platform:

- collection of real-time data from industrial equipment, local automation systems, and external information systems;
- preprocess, compress, and normalize data collected;
- permanently store and archive data collecting;
- provide access to data saved in the context of various production models;
- solve a wide range of analytical problems based on stored data, from classical problems connected with statistical analysis to those related to large data volumes such as machine learning, predictive analytics, and simulation;
- visualization of all data types (raw, preprocessed, and analytical) using a wide range of tools: from process mnemonics with real-time data to analytical reports with aggregates and forecasts.

### 1.3. The purpose of the system

- Collect, preprocess, and store data (ETL service).
- Harmonize, systematize, and enrich information (Object Model service).
- Provide users with data (visualization and data marts services).
- Controlled access to data viewing and modification (Security service).
- Provide data for applications (API Gateway service).
- Create analytical and simulation models (digital twins services):
  - Processes and process efficiency.
  - Equipment reliability and process continuity.
- Run applications in an isolated virtualized environment by using infrastructure and platform components.

### 1.4. Software environment required to initiate Zyfra IIoT Platform components

Zyfra IIoT Platform uses Linux CentOS distribution as the operating system. Initiation of Zyfra IIoT Platform components requires the Kubernetes cluster.

Please do not hesitate to call us at +7 (4932) 34-58-50 to inquire whether other Linux distribution kits can be used.

### 1.5. Technical support

Technical support is provided by phone at +7 (4932) 34-58-50.

Standard working hours of the technical support service is 8:00 a.m. to 05:00 p.m., Monday to Friday.

Our technical support specialists have the following competences and skills:

- advanced computer users;
- they know the functionalities of Zyfra IIoT Platform and how to work with it;
- they know Java, Python, and CQL languages and are experienced in developing systems with microservice architecture;
- they know how to test software components.

