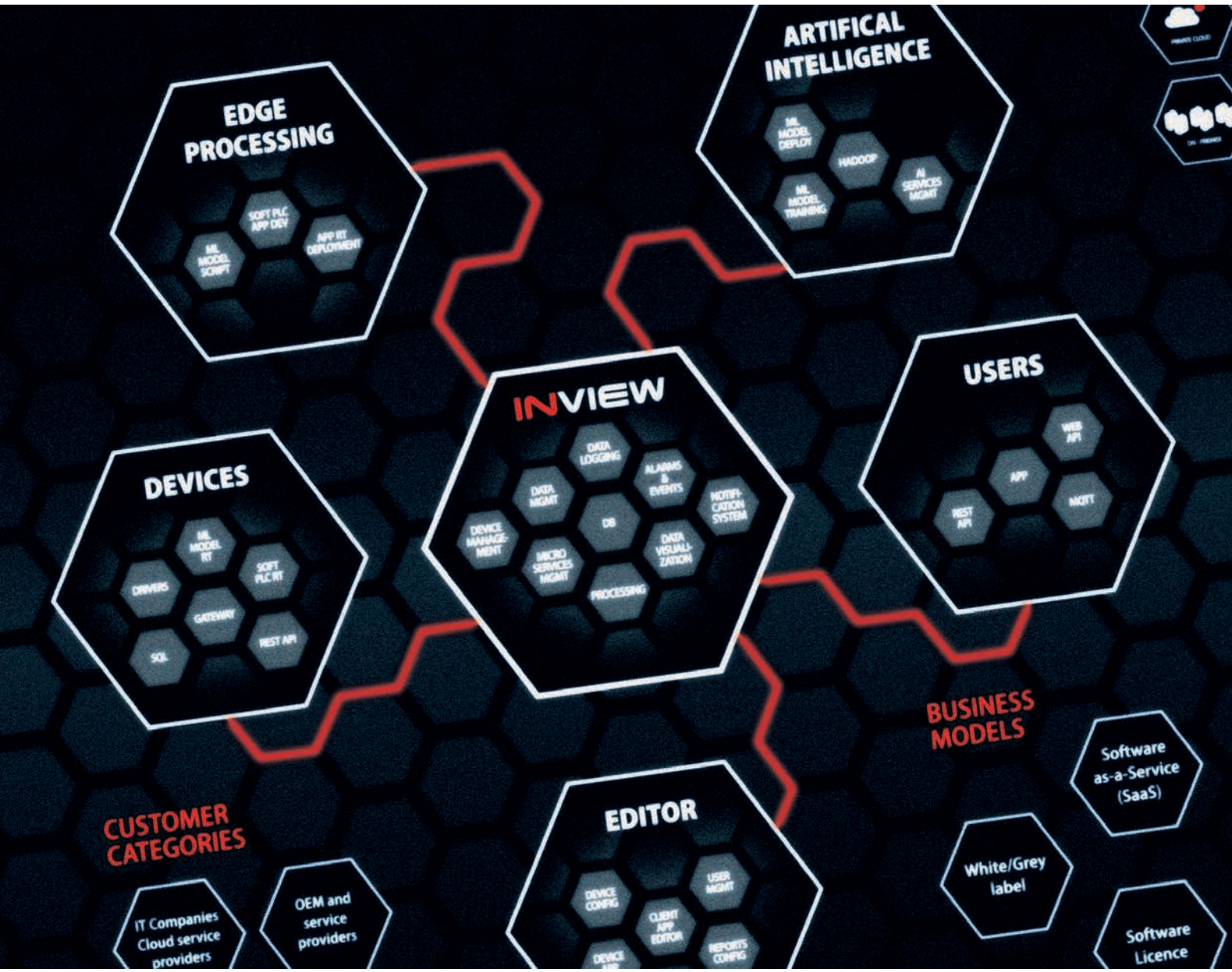
INVIEW

INDUSTRIAL IOT PLATFORM



No-code IIoT. For real.

Evolution of a distributed control system

INVIEW IIOT PLATFORM

Cloud-based development and runtime platform for monitoring and control applications of a large number of IoT (Internet of things) devices for various industries and applications

Built on open source technologies

SOFTWARE ARCHITECTURE

- Global replication for high availability and redundancy
- Vertically and horizontally scalable

LINUX

KUBERNETES MICROSERVICES

DOCKER CONTAINERS

Flexible for any given

INFRASTRUCTURE

- Operating system independent
- Infrastructure provider independent

PUBLIC CLOUD

PRIVATE CLOUD

HYBRID

ON - PREMISE

EDGE PROCESSING

SOFT PLC APP DEV

ML MODEL SCRIPT

APP RT DEPLOYMENT

DISTRIBUTED CONTROL AT EDGE

- **CONTROL LOGIC APPLICATION** DEVELOPMENT AND DEPLOYMENT
- REMOTE SOFTWARE UPDATES
- EDGE DEVICE SYSTEM MANAGEMENT
- ML MODEL EXECUTION AT EDGE

ARTIFICAL INTELLIGENCE

ML MODEL DEPLOY

HADOOP

ML MODEL TRAINING

AI SERVICES MGMT

ARTIFICIAL INTELLIGENCE UTILIZATION

- QUICK AND EASY LEARNING DATA SELECTION
- ML MODEL TRAINING ENVIRONMENT
- ML MODEL DEPLOYMENT
- **AUTOMATED RE-TRAINING** AND NEW MODEL DEPLOYMENT

INVIEW

DATA LOGGING

DATA MGMT

ALARMS & EVENTS

DEVICE MANAGE-MENT

DB

NOTIFI-CATION SYSTEM

MICRO SERVICES MGMT

DATA VISUALI-ZATION

PROCESSING

DEVICES

ML MODEL RT

DRIVERS

SOFT PLC RT

GATEWAY

SQL

REST API

IIOT GATEWAYS & EDGE DEVICES

- COMMUNICATION PROTOCOLS FOR ANY INDUSTRIAL DEVICE
- **DATA LOSS PREVENTION** INTEGRATED
- SQL AND REST API GATEWAYS FOR ANY SOFTWARE PLATFORM
- EXECUTABLE CONTROL LOGIC (SOFT PLC)

USERS

WEB API

APP

REST API

MQTT

USER INTERFACE & CONNECTIVITY

- WEB BROWSER ON ANY DEVICE FOR **DATA VISUALIZATION**
- MOBILE / DESKTOP VERSIONS
- MULTIPLE WEB APIS
- MQTT AND REST API FOR OTHER SOFTWARE PLATFORMS

SYSTEM FEATURES

- DATA PROCESSING AND STORAGE
- **MICROSERVICES MANAGEMENT**
- COMPLETE DEVICE MANAGEMENT
- ALARMS, EVENTS AND ADVANCED NOTIFICATION SYSTEM

EDITOR

DEVICE CONFIG

USER MGMT

CLIENT APP EDITOR

DEVICE APP EDITOR

REPORTS CONFIG

INTEGRATED DEVELOPMENT ENVIRONMENT

- **LOW-CODE / NO-CODE** DEVELOPMENT AND DEPLOYMENT
- WEB BROWSER ONLY
- SINGLE ENVIRONMENT FOR ALL FUNCTIONS
- MULTI-TENANT / MULTI-USER

Applicable for the following

CUSTOMER CATEGORIES

IT Companies Cloud service providers
Oracle, Microsoft, Amazon,...*

Industry suppliers
GE, Rockwell, Allen-Bradley, ABB, Emerson,...*

OEM and service providers
Caterpillar, Atlas Copco, Halliburton, Schlumberger, Baker Hughes,...*

Engineering companies
Vinci, Leidos, Wood, Sage,...*

* customers listed here given as an example

Through one of the available

BUSINESS MODELS

White/Grey label

Software as-a-Service (SaaS)
- Pay-per-use
- End-to-end service
- Subscription-based

- Customer branding
- Additional customizations
- SaaS or Software Licence

Software Licence
- End-users only
- Standalone
- On-premise

To build their own

APPLICATIONS

Industrial monitoring and control
- SCADA
- DCS
- Telemetry

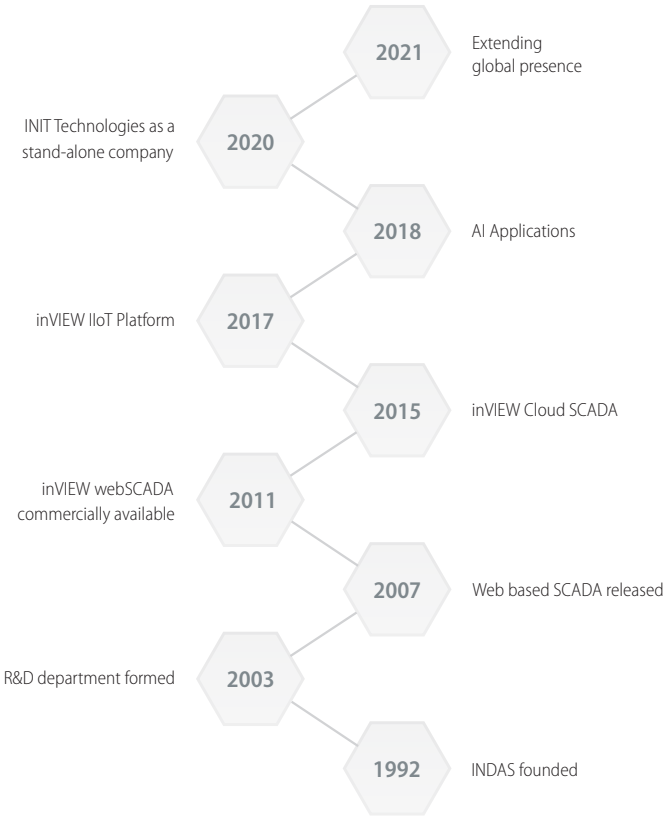
Infrastructure and mobility
- Transportation Infrastructure
- Smart cities
- Environmental

Medical and health
- Health condition monitoring
- Wearables tracking
- Telemedicine

Logistics and supply
- Supply Chain
- Logistics
- Fleet monitoring

Business operations
- MES
- Services management

Other



Company INDAS was found in 1992. Main activities were in the field of industrial automation, measurement, regulation technology and industrial engineering.

In 2003 INDAS formed the R&D department to develop solutions that will use mobile broadband and internet technologies for remote surveillance, control, and data acquisition automation projects. With experience gained through years and by using parts of already built software modules, in 2007 R&D department developed the first version of Web-based SCADA software. After several years of development, inVIEW WebSCADA (generation 1) was launched as a commercially available software.

After successful commercialization, inVIEW WebSCADA was transformed into a multi-tenant multi-project inVIEW CloudSCADA solution, which enabled moving toward SaaS business models, and applications diversification.

Trends on the market lead to transforming inVIEW CloudSCADA to a much wider software platform – the inVIEW IIoT Platform (generation 6), embedding the Industry 4.0 standards, Big Data possibilities, and interface for data science and data mining toolsets.

In 2018 we have entered the world of AI applications in the industrial environment and formed a team that acquires specializations in applied machine learning and artificial intelligence in the industrial environment.

In 2020 INIT Technologies is established as a stand-alone company, arising from the INDAS's R&D department, to accelerate software solutions strategy and to focus on the innovations and long-term investments with the most customer value.

INIT TECHNOLOGIES d.o.o. part of INDAS group
Heroja Pinkija 95, 21000 Novi Sad, Srbija, Tel: +381 21 480 4800, office@industrial-it.software www.industrial-it.software
www.inviewscada.com