psc_ TRANSITION TECHNOLOGIES

_experience
digital
transition!

Start your first IoT and AR journey

with Transition Technologies PSC

Transition Technologies PSC

We are a member company of the Transition Technologies Group – a Polish IT holding. TT is creating and developing innovative ICT solutions for both national and International Customer since 1991.

- We specialize In IT solutions for the manufacturing Industry
- We employ over 200 of programming enthusiasts
- We own 12 years of experience in development and delivery of Product Lifecycle Management solutions
- We specialize in Augmented Reality and Internet of Things technologies
- We own a Software Integrator and Value Added Reseller status for PLM, IoT and AR software
- We conduct IoT and AR workshops
- We implement Application Enablement Platforms solutions
- We implement individual, custom-tailored solutions for our Customers
- We conduct R&D activities for our strategic partners

Transition Technologies PSC's offices

Transition Technologies Group's offices

What we do?

Data acquisition and integration

We integrate corporate and industrial systems in order to acquire data – SCADA, PLM, ERP, IoT, CRM.

PLM

We deliver Product Lifecycle Management software and implement the concept of Connected-PLM.

IoT

We implement and deliver Internet of Things solutions.

Digital Twin

We deliver products and technologies necessary to create a digital equivalent of a product – a Digital Twin

Machine Learning

We develop analytical and prognostic tools based on collected data.

Data Visualization

Augmented Reality-based data visuzalization, mobile apps and rapid application development platforms.

ptc · windchill® · thingworx · Microsoft Azure · unity · IBM Bluemix™ · Microsoft HoloLens · Atlassian Gold Solution Partner

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Transition Technologies PSC

supporting Enterprises in implementation of the Factories of the Future, Industry 4.0 and Internet of Things concepts.

Internet of Things

We create a wide spectrum of IoT solutions, supporting operations within industrial facilities and of machines, as well as bring intelligence to office buildings. We help our Customers build their first IoT solutions, helping them improve process efficiency: production, logistics, design and factory infrastructure management. We have deep knowledge on multiple IoT platforms in a dynamically changing solution availability.

Connected Product Lifecycle Management

Designers receiving information on actual working parameters and operational efficiency of products and devices in their real environments. Service teams always equipped with appropriate spare parts and service instructions.
This and much more can be achieved thanks to Connected PLM – a combination of traditional product design with modern Internet of Things solutions.

Intelligent factories building intelligent products

We help our Customers develop new versions of their products containing IoT software, reaching out to their Customers with a more fitting offer thanks to real-time analysis of usage, visibility of all operational parameters, failure prediction and delivery of interactive service guides.

Augmented Reality

Transition Technologies PSC is one of very few companies which expands upon the Internet of Things concept, supplementing it with Augmented Reality solutions to better utilize the value of data from connected products and display them appropriately to users, service teams, salesmen as trainings, interactive service guides or product presentations.

How to begin your journey into the future? Simply contact Transition Technologies PSC and share your ideas on implementing the Industry 4.0 and Internet of Things concepts and together we shall create a solution best-fitting your needs.

_01

Experience in implementation of the Factories of the Future projects. We are the first Polish company to actually implement one.

_02

We are delivering product lifecycle management systems for world-leading companies manufacturing equipment, vehicles, machinery and electronics.

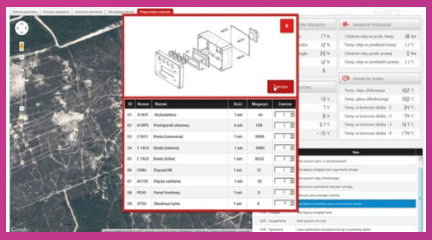
_03

We deliver Augmented Reality systems for support of Maintenance, Repair and Overhaul divisions, which also serve for training purposes as well as handling, building and service guides.

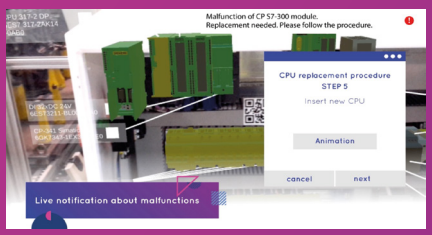
_04

We have implemented an IoT solution for special heavy-duty vehicles. Exploitation support combined with data aggregation and usage analytics.

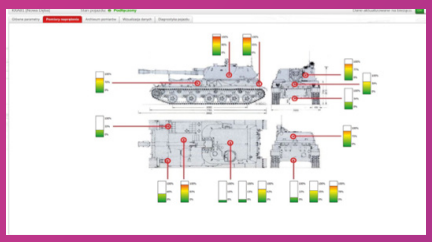
Example IoT project implementations



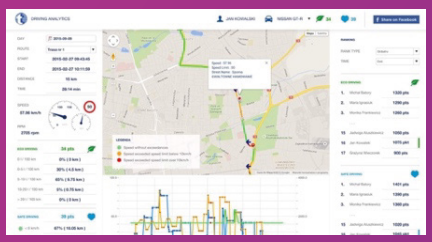
Factory role-based apps



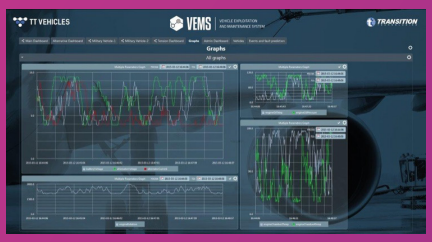
Support of device service and maintenance, live remote expert communication, dynamic creation of a service knowledgebase in AR

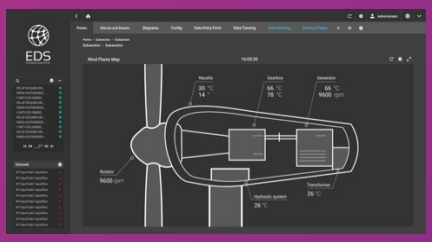


Exploitation analytics including design and implementation of a sensor architecture



Intelligent analytics for fleet management





Failure prediction

_Example offers for packages of implementation of first IoT and AR projects

Choose which packages suit your needs the most

_A Data Acquisition and Aggregation

- Integration of SCADA, PLM, IoT, ERP, CRM systems
- Acquiring data from machines and sensors
- Designing physical sensor architecture (optional)
- Up to 20 variable monitoring for 5 devices

_B M2M communication and Data transfer

- WLAN, mobile networks, LPWAN, others
- Programming libraries
- Protocol adapters
- Communication agent (Edge Microserver)
- Data transfer for 5 devices

_C Data management

- IoT platform
- Database scaling
- Asses management
- Cloud hosting – Amazon Web Services implementations
- 5 devices, 3 users

_D Analytics

- Data analytics
- Predictive model construction
- Failure prediction for selected devices
- Artificial Intelligence algorithms
- The project will show relevant predictive indicators

_E Visualization

- Utilizing Augmented Reality and dedicated mobile apps for specific roles within an Enterprise
- Development of 2 apps for 2 roles
- Development of 2 AR service instructions
- Context-based visualization for 5 machines

Action plan to implement a first IoT project

_01 Innovation workshops

duration: 1-2 days

We start with a meeting. Our expert will help prepare an IoT strategy which brings most benefits to your Enterprise;

_02 Idea and Project

duration: 1-3 weeks

We demonstrate a concept of an IoT & AR project – how to build competitive advantage, which kind of technologies and elements to use to maintain optimal balance.

_03 Implementation

duration: 2-3 months

Implementation of the agreed project in an Agile methodology, so your team can influence the shape of the end-solution.

_04 Machine Learning

duration: 2 weeks

System and sensor data analysis in order to build predictive models and artificial intelligence models fitting your needs.

_05 Analysis and IoT implementation roadmap for the Enterprise

duration: 2 weeks

Definition of individual steps of implementing an IoT solution in your Enterprise.

PROCEDURE

Drain the washer fluid tank	Take 15mm Wrench	Unmount the washer fluid tank	Remove the washer fluid tank	Inspect the washer fluid tank	Replace the washer fluid tank	Refill the system
PART NUMBER	PART NUMBER	PART NUMBER	PART NUMBER	PART NUMBER	PART NUMBER	PART NUMBER
0000001245	0000001255	0000001273	0000001273	0000001273	0000001274	0000001274

FLUID LEVEL 35% !

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