



An extra hand for your technicians

Agenda

- About Lumnio / Pocket Virtuality
- Presentation of the Czechoslovak Group (CSG)
- Introduction to Lumnio
- Selected customers using Lumnio
- Live demonstrations
- Pricing and typical deployment
- Discussion



2017 - Founding of POCKET VIRTUALITY a.s.

We focus on technological innovations and the use of XR technologies in industrial practice.

2018 - Launch of the Fata Morgana product

Fata Morgana combines virtual and augmented reality. We were among the first to adopt Microsoft HoloLens smart glasses.

Awards received:

- Deloitte Technology Fast 50 – Recognition of Excellence
- InnoEnergy Start-up of the Year
- 3rd place in the European finals of the PowerUp! Challenge
- Collaborations with Škoda Auto, Škoda JS, and NASA

2023 - CSG becomes the majority owner

Czechoslovak Group acquires a majority stake in the company, making us part of the CSG Aerospace division.



2024 - Founding of Lumnio Inc.

A subsidiary named Lumnio Inc. is established in Delaware (USA).

We introduced the Lumnio software with augmented reality features for service and maintenance support.

We host the first annual Smart Industry conference.



2025 Expansion into foreign markets

Group Presentation

Heart. Heritage. Horizon.

Heart. Heritage. Horizon.

Czechoslovak Group (CSG)
is an international industrial
and technological group based in the
heart of Europe, capitalizing on the
heritage
of Czechoslovak industry.

70+

Countries we export to

100+

Member companies

14,000+

Number of employees

30+

Manufacturing plants
in our group

30 years

Our group's history

9

Countries where we operate

We Are Global



HEVI-SHOT

CCI

SPEER

Remington.

FEDERAL >>

Perazzi



B&P
Baschieri & Pellagri
DAL 1885

Perazzi

Excaltbur
International

ATRAK

UPVISION
SERVICES | DEFENCE

ES-SOFT

POCKET
VIRTUALITY

KARBOX

RAK-CZ

TSG
TRICKS GROUP

RETIA

Czech
Republic

ELDIS
RADAR
SYSTEMS

EA
EXCALIBUR
ARMY

job air
technic

TATRA

TATRA
DEFENCE
VEHICLE

MT
VÝVOJ
MATERIN
MILITÁRNÍ VÝVOJ

VOP
NOVÁKY

MSM GROUP

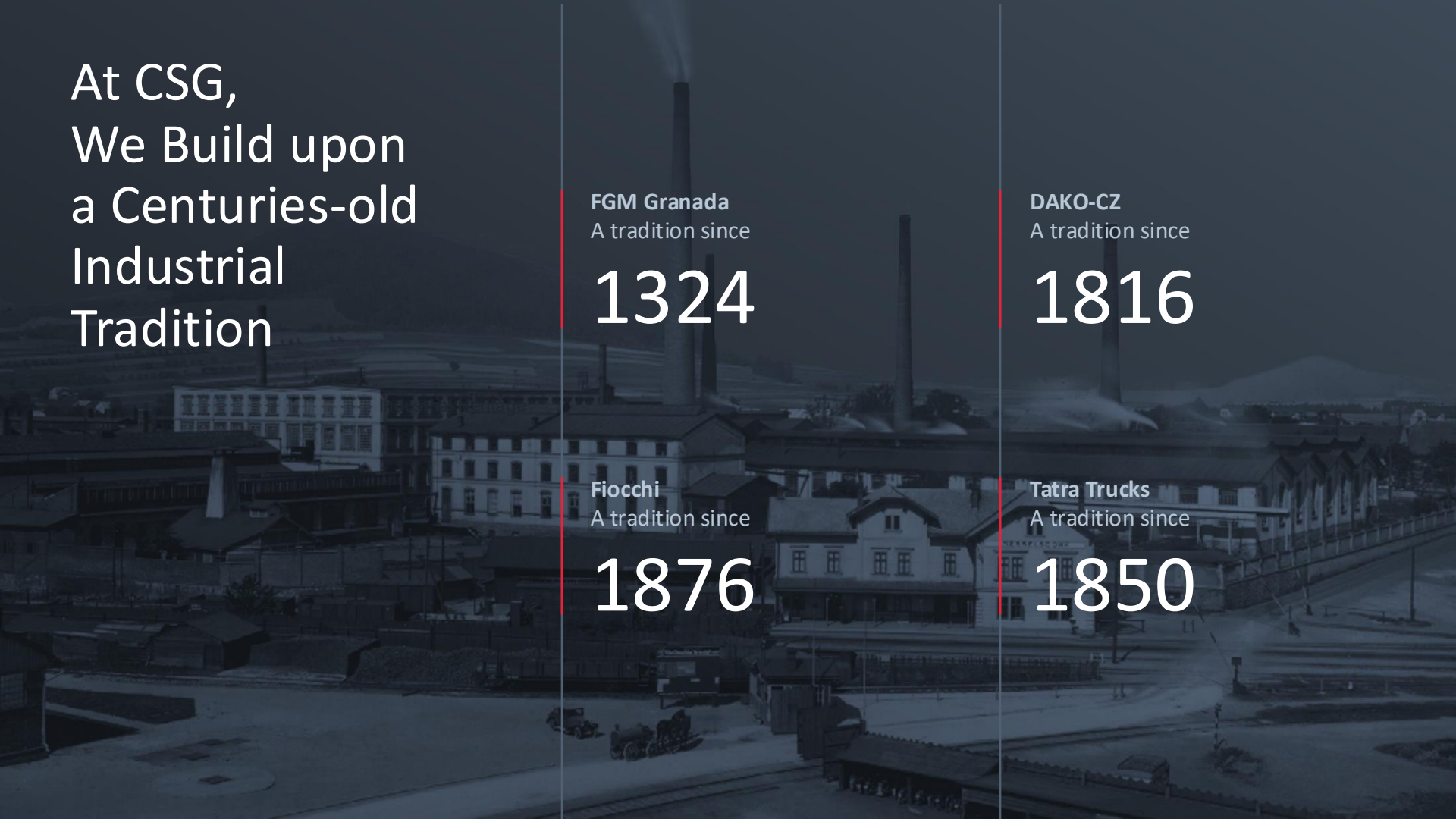
ZYS

msm
LAND SYSTEMS

TATRA
DEFENCE
SLOVAKIA

ZYS

Slovakia



At CSG, We Build upon a Centuries-old Industrial Tradition

FGM Granada
A tradition since

1324

DAKO-CZ
A tradition since

1816

Fiocchi
A tradition since

1876

Tatra Trucks
A tradition since

1850



We Rely on a Sustainable Approach

Open communication, transparency and disclosure are the foundation of success

Our leadership is aligned with our goals and actively pursues a sustainability strategy

We assess risks related to climate change, human rights, and other aspects of sustainability

We promote a diverse and inclusive work environment, ensuring fair pay policies

We engage in initiatives to develop and support the communities where we operate

We adhere to responsible supply chain principles and conduct supplier audits to ensure compliance with standards

We set targets to reduce the environmental impact of our activities and actively manage our impacts

We are investing in renewable energy sources and using them to cover a growing part of our consumption

We Do Business in Accordance with Ethics

The CSG Code of Ethics
is binding for all members
of our governing bodies,
managers, and employees.

We comply with the law
and high ethical standards

We fight against
corruption

We protect personal data
and company assets

We protect the environment and
are socially responsible

We oppose
conflicts of interest

We honor our corporate
hospitality, gifting,
and sponsorship policy

The 5 Divisions of the Czechoslovak Group



Defence

Manufacturing and services
in the area of military
material, equipment, and
systems



Aerospace

Development and manufacturing of
radars and air traffic control systems
and aircraft maintenance



Ammo+

Development and manufacturing
of top-quality ammunition for
sport, hunting, and security forces



Business Projects

Miscellaneous activities
in promising sectors



Mobility

Development and manufacturing of road
and off-road vehicles, braking systems
and components for rolling stock

lumnio

complete, simple, useful

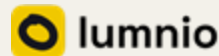
Lumnio addresses...

... **the shortage of maintenance and service technicians** in the field.

It streamlines work, trains new hires, and provides remote team support.

Lumnio transforms newcomers into independent technicians in record time. It **connects** with remote assistance, delivers the necessary **information**, **guides you** through troubleshooting and maintenance, helps you **retain know-how**, and simplifies paperwork—leaving more time for the actual job.

The shortage of technicians has a solution. Try [Lumnio](#).



Areas of application for Lumnio

- Technical know-how transfer - [more](#)
- Remote visual support - [more](#)
- Accessible work instructions - [more](#)
- Technical knowledge base - [more](#)
- Inspections and audits - [more](#)
- Employee training - [more](#)
- Customer support - [more](#)



Areas of application for Lumnio – video introduction



[Play video](#)

Benefits of Deploying Lumnio

Addresses the urgent challenge of a **shortage of experienced** maintenance and service technicians (senior staff often hold critical know-how only “in their heads”).

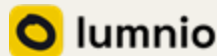
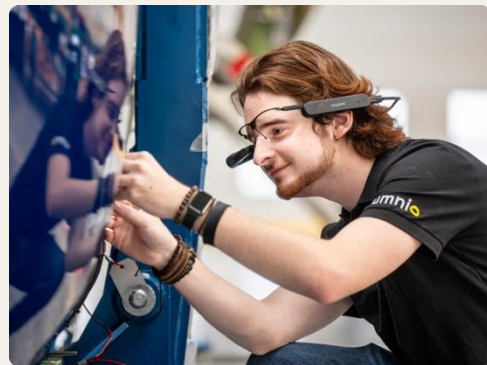
- Increased service efficiency
- Reduced error rate
- Documented task execution
- Shorter equipment downtimes
- Fewer field visits, ...



Supported devices

You can run Lumnio not only on smart glasses, but also on mobile devices.

Simply download the app from  or the .



Selected customers using Lumnio

GIGA

DB SCHENKER



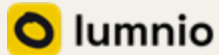

WIENERBERGER

PFISTERER



LokoTrain
member of EP Logistics International

**TATRA
DEFENCE**
VEHICLE



Case study

completecz



„Our technicians now perform preventive inspections of cooling equipment faster. The first-time fix rate has also improved, meaning fewer repeated visits to the site are needed. The complaint handling process with manufacturers has also accelerated. Administrative workload has decreased, and overall efficiency has improved — leading to a 7.8% increase in utilization (i.e., the share of billable hours relative to total working time).“

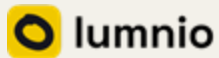
Ing. Petr Řezníček, MBA
CEO
COMPLETE CZ spol. s r.o.

Case study



„The Lumnio app we implemented has shortened the time needed to train new service technicians, saving us time and improving overall work efficiency. We’ve also made it available on mobile devices to end users in our data centers.“

Tomáš Sedmihradský
Head of Service Division
ALTRON, a.s.



[Play video](#)

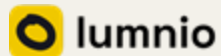
Case study



„Modern technologies allow us to deliver targeted and precise service interventions — in some cases even remotely. This enables us to support our technicians in the field, train new colleagues, and provide our customers with the best possible care. Lumnio is the future of service. And we are proud to be part of it.“

Jiří Rach

Director of Service Division
Veskom, spol. s r.o.



[Play video](#)

Live demonstrations

RealWear Navigator smart glasses



Selected use cases – features

- Calling technical support
- Capturing know-how
- Creating workflows
- Workflow guidance
- Execution logs and analytics

RealWear Navigator 520

- Hot-swappable battery
- Rugged design: IP66, MIL-STD-810H
- Noise suppression up to 100 dBA
- Voice control also in multiple languages
- Compatible with PPE/helmets, PPE-certified
- Sunlight-readable display
- WiFi, Bluetooth, GPS
- 48MP camera, 1080p video
- Weighs only 270g
- Optional thermal camera, LTE 4G modem

**HARDWARE FOR AUGMENTED REALITY
IN DEMANDING ENVIRONMENTS**



Logging in to Lumnio

1. Web Browser

Address: <https://www.lumnio.app>

Log in with username & password
(for dispatchers, content managers, admins, etc.)

2. Lumnio for RealWear smart glasses

Lumnio app installed

Log in via QR code

(for operators, field technicians, new hires, etc.)

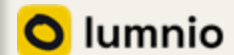
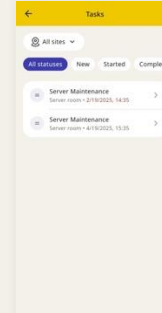
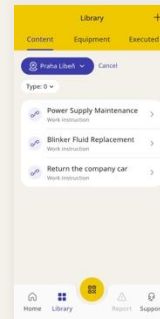
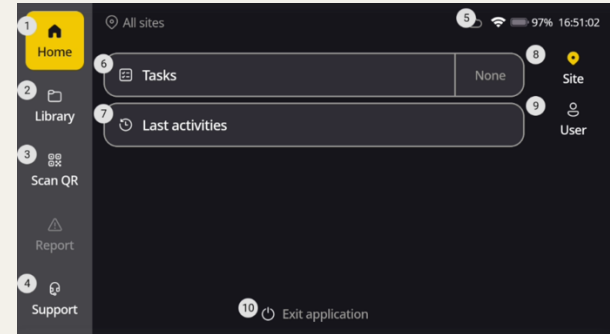
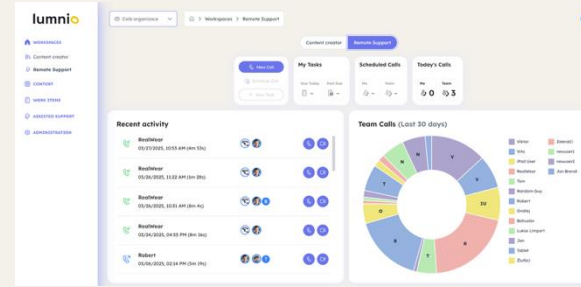
3. Mobile App

Lumnio app installed

Android : [Google Play](#)

iOS : [App Store](#)

Log in via QR code or with username & password
(for new hires, operators, field technicians, etc.)



Simple pricing

- **50 EUR/month per user** (with annual payment)
- Licenses assigned to a user or a device
- Minimum of 5 licenses
- Includes:
 - Access to all features
 - Updates to new versions
 - Storage for each user
 - Unlimited calls
 - Customer support



Typical Lumnio deployment

Step 1: 30-day free demo

Step 2: Pilot operation (3–6 months)

- A small project team (mix of experienced technicians and newcomers)
- Use of Lumnio training materials
- 1–2 smart glasses plus mobile devices
- Setting measurable goals (e.g., number of completed procedures)
- Tracking activity and regularly evaluating feedback

Step 3: Evaluation of the pilot project, benefits, and ROI

Step 4: Company-wide expansion of Lumnio usage

Ongoing updates and adoption of new features.

lumnio

complete, simple, useful



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