

# IR Presentation

### December 2023

Software Services and State-Of-The-Art-Software Products





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Therefore, the final results achieved may vary significantly from the forecasts, and the variations may be material.



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- **Development strategy**
- Key 2022 and 9M 2023 financials
- 2023 Budget
- **AROBS on BVB**
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# AROBS Group at a glance





## European by birth, International by culture

### **11 Local Branches**

- Cluj-Napoca
- Baia Mare
- Oradea
- Targu Mures
- Arad
- Timisoara
- Lugoj
- Craiova
- Bucharest
- Suceava
- Iasi



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AROBS is the leading software services and software products provider. The company has a consolidated position in the Romanian market through presence in the major cities, as well as 9 international branches that primarily serve as sale centers. Across all markets, the Group has **1.200+** employees and collaborators, and approx. **70** partners for the Software Services business lines in Europe and America, serving a total of **11.000+** Software Product customers across the world.

### **9 International Branches**

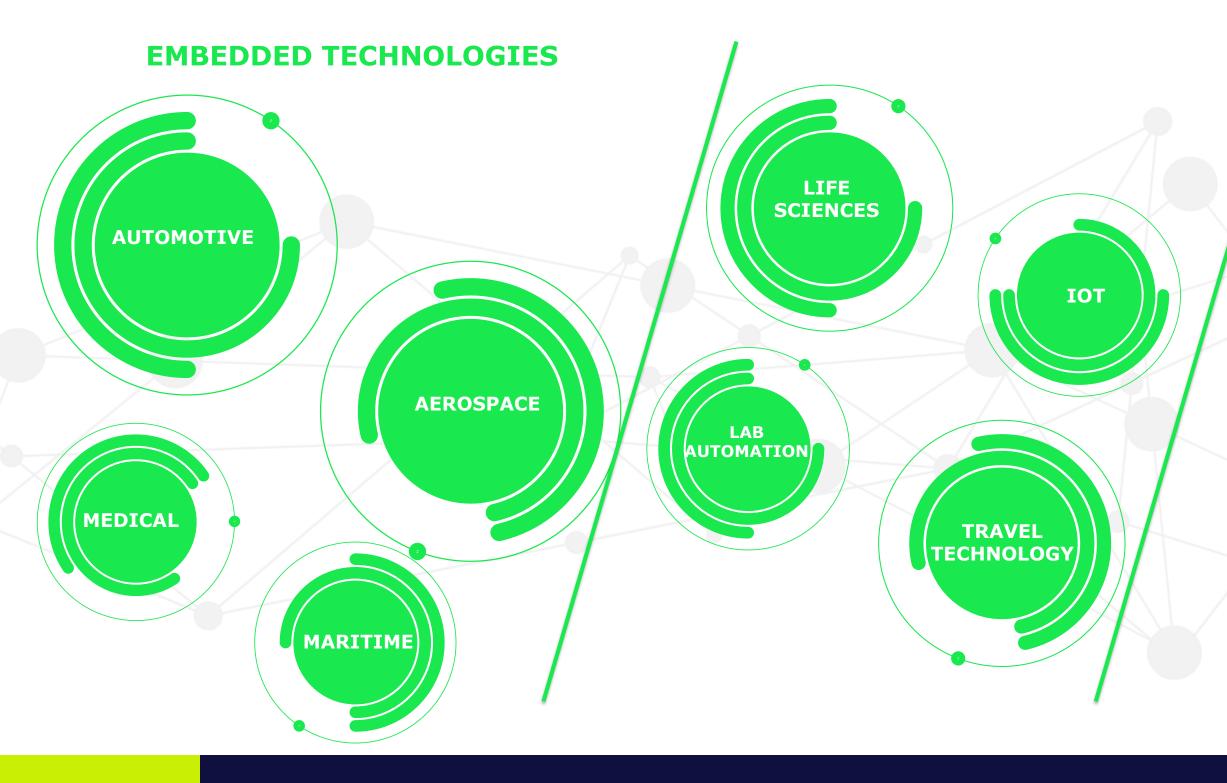
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...

- Belgium
- Germany
- Hungary
- Indonesia
- Poland
- Republic of Moldova
- The Netherlands
- UK
- USA







### **ENTERPRISE SOLUTIONS**

CYBERSECURITY

ELECTRIFICATION

FINTECH



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## **SOFTWARE PRODUCTS**

### **AROBS TELEMATICS**



One of the leaders in the industry in Romania, with a strong presence in the Republic of Moldova, Hungary and Indonesia.



Specialized in providing HR and Payroll solutions through TrueHR and dp-Payroll.

### **AROBS CRM & FSA**

**AROBS HR SOLUTIONS** 



A full optimization through automation management systems.



A platform that improves the relationships and interactions of companies with their existing or potential clients.



Complete monitoring solutions and fleet management tools.



Complementary solution to fleet management through which the international transport companies can pay the road tolls in Europe through an integrated system.



Provider of fleet management solutions, fleet monitoring, security applications or recovery of stolen cars.

### **AROBS GREENFIELD**



New company, responsible with the implementation of hardware and software solutions for public authorities.

### **OTHER PRODUCTS**

### suite and

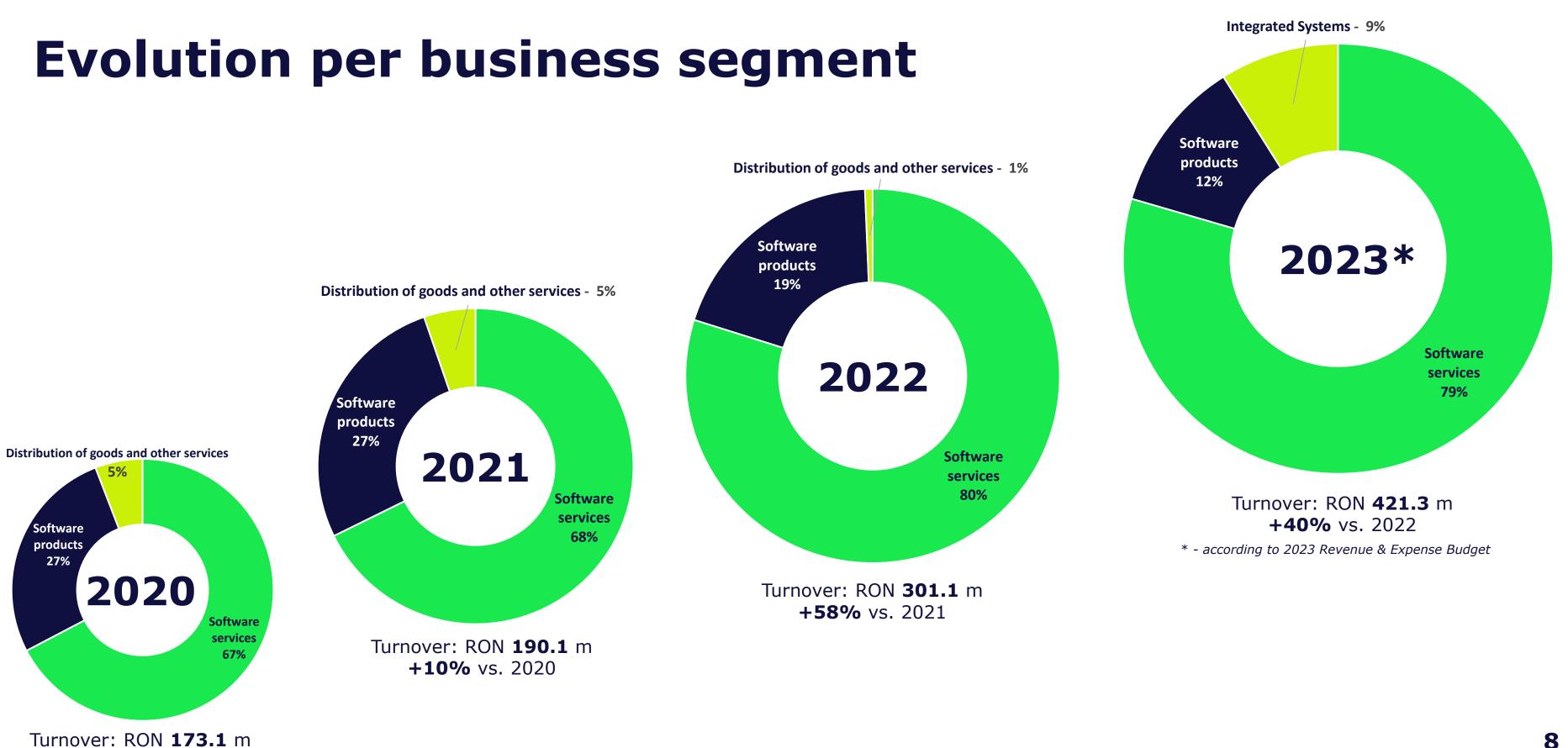
A white label solution that can be integrated with any property management software such as a hotel PMS.



ratewizz

Solution for schoolbooks digitalization.

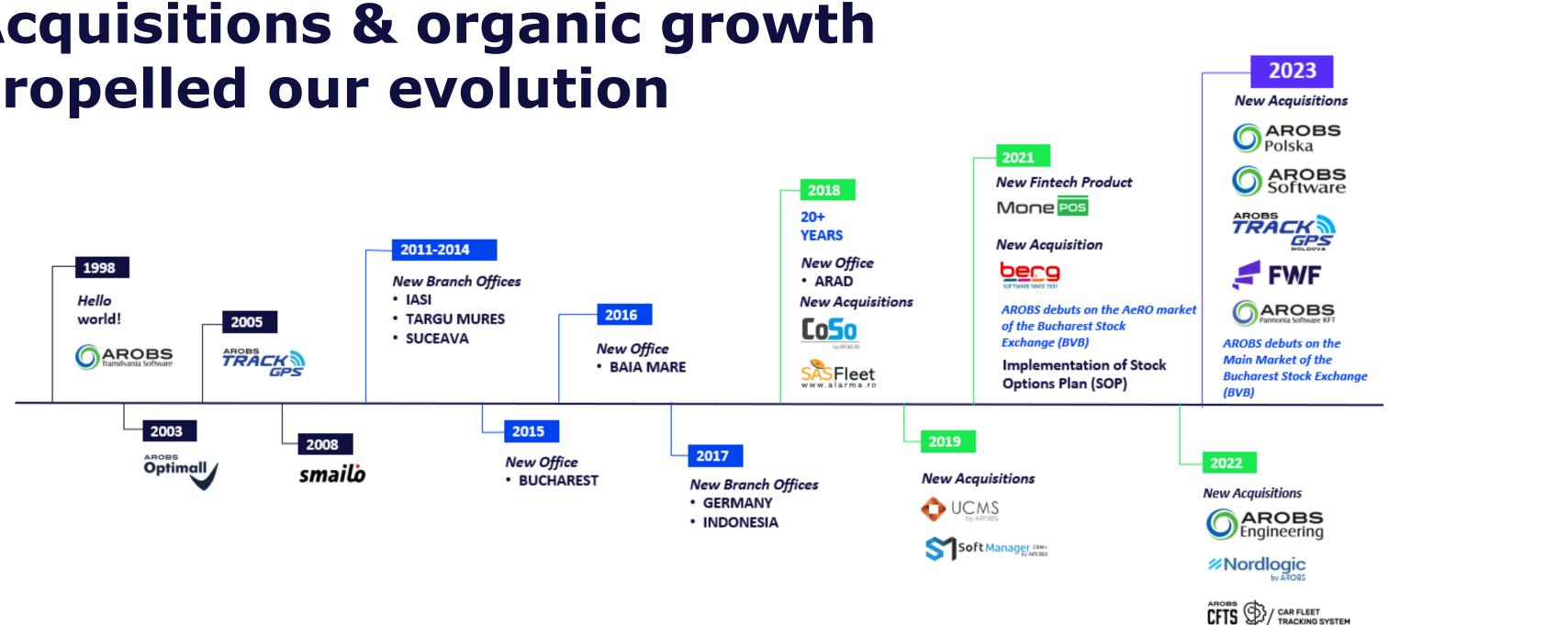




According to RAS



### **Acquisitions & organic growth** propelled our evolution



Since raising RON 74 million (EUR 15m) from investors through a private placement in October 2021, and after its listing on the AeRO market of the Bucharest Stock Exchange in December 2021, the Group carried-out 9 M&A transactions. The transactions consolidate and complement AROBS' expertise in fields such as automotive, medical, clinical trials, aerospace and maritime. The Group used a mix of raised capital and bank financing for the acquisitions.

9

TRACKING SYSTEM



### **Group structure – as of November 2023**

### AROBS TRANSILVANIA S.A.

	<b>Romanian entities</b>		
AROBS DEVELOPMENT & ENGINEERING (ENEA) 100% AROBS ETOLL SOLUTIONS 100% AROBS SYSTEMS 100%	<section-header><section-header><text><text><text><text></text></text></text></text></section-header></section-header>	SAS FLEET TRACKING SRL (SAS GROUP) 100% SILVER BULLET 100% SOFTMANAGER 70% UCMS GROUP ROMANIA 97.7%	AROBS SOFT GMB ATS ENGINEE CABRIO IN COSO BY AR COSO BY AR COSO TEAN NORDLOG

In 2023, the following companies were acquired: SYDERAL Polska - 94% stake (completed in January 2023); AROBS Software SRL and AROBS TrackGPS SRL - 100% stake (completed in February 2023), Future WorkForce SA - 100% stake, FUTURE WORKFORCE UK - 80% stake, FUTUREWORKFORCE GMBH - 65% stake (completed in April 2023), AROBS Pannonia Software - 100% stake (completed in July 2023).

### **International entities**

TWARE SOLUTIONS 1BH - 60%

ERING LLC - 100%

NVEST BV - 90%

ROBS BV BE- 90%

AROBS BVBA NL-90%

AM UK LTD - 90%

GIC USA - 100%

PT AROBS SOLUTIONS ID - 70%

AROBS Software SRL MD – 100%

AROBS TRACKGPS SRL MD - 100%

AROBS Pannonia Software HU - 100%

SKYSHIELD HU -100%

FUTURE WORKFORCE UK -80%

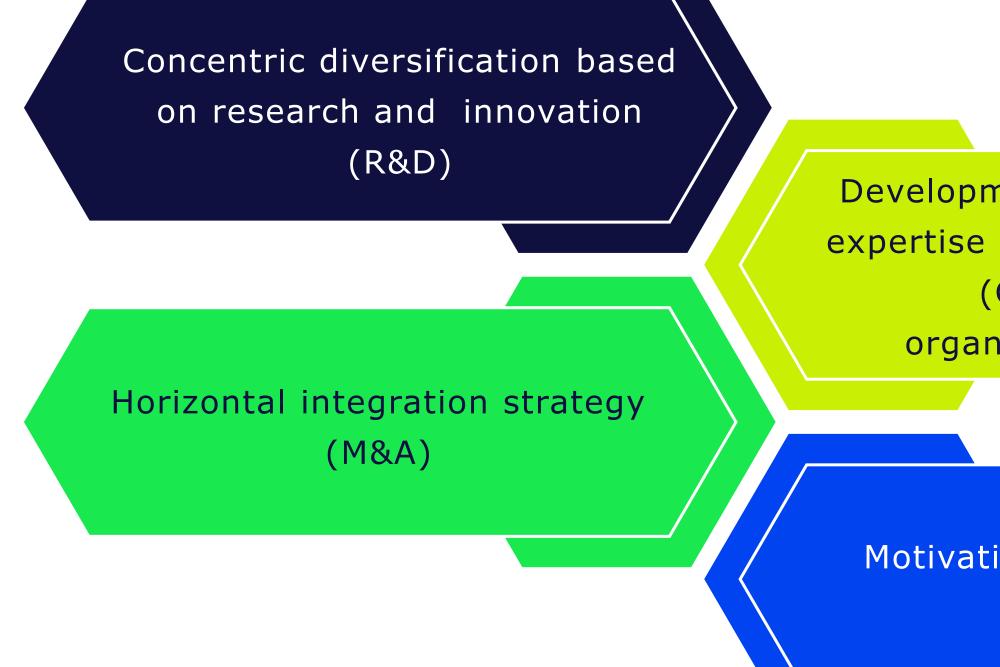
FUTURE WORKFORCE GMBH DE - 65%

## **Development strategy**





### Long-term strategy anchored on four key pillars



Development of new areas of expertise for software services (Greenfield & organic development)

Motivation and retention (SOP)



### **M&A strategy**

### **M&A TARGETS:**

- > Majority stakes in IT companies active in software services and software products such as fleet management or business optimization
- > Entrepreneurial businesses where the majority shareholder wants a partial or full cash-out
- > Companies with a performing management team, longterm clients, constant profitability and scalability potential
- > Rule of 40 (combined revenue growth rate and profit margin should equal or exceed 40%)
- Minimum 100 employees
- > Companies with complementary technology that can synergize with AROBS current software services and products
- > Companies with valuable IP and patents, which could further develop AROBS software services and products
- > Companies that have a track record of innovation in terms of R&D, product development, or adopting new technologies

### 2024 - 2026

- shares
- component
- from 29.09.2023).

> Total budget of approx. **EUR 55 million** for further M&A transactions, with focus outside the CEE region

> Approx. EUR 40 million cash component from future share capital increase with cash contribution paired with EUR 15 million to be paid in AROBS

> Targeted deal structure: **75% cash**, **25% shares** 

> Estimated **75 million shares** to be paid to entrepreneurs who join AROBS Group, capped at max 25 million shares per year (approved in GSM

# Key 2022 financials





### 2022 Results (IFRS)

- The **results** include, in part, the performances recorded by the new companies acquired by AROBS and the subsidiaries established during the financial year that ended on 31.12.2022.
- **Net turnover** grew 61% YoY in 2022, driven by new software service clients as a result of growing existing teams, as well as increasing client number in software products by incorporating functionality demanded by the market.
- Other aspects favoring **positive evolution of the topline** are extension of collaboration with clients, increase of hourly rates for services, increase in the price of products, M&As that topped organic growth.

#### **REVENUE STATEMENT** Turnover:

Software services reven Software products rever Revenue from the distr other services

#### Total sales costs:

Cost of sales from softw Cost of sales from softw Cost of distribution of services

#### Gross result

Software services - gros Software products - gros Distribution of goods gross margin Software Servicess -Software products - g

Distribution of goods – gross margin

T (RON m)	2022	2021	YoY %
	299.8	186.6	61%
nue	240.1	128.5	87%
nue	58.7	48.9	20%
ribution of goods and	1	9.2	-89%
	194.3	113.4	71%
vare services	164.6	84.7	94%
vare products	28	21.4	31%
of goods and other	1.7	7.3	-77%
	105.6	73.2	44%
ss margin	31%	34%	
oss margin	52%	56%	
and other services -	-65%	20%	
gross margin	31%	34%	
gross margin	52%	56%	
s and other services	-65%	20%	



### 2022 Normalized EBITDA (IFRS)

#### RON m

**Strong** normalized **EBITDA** margin due to the mix of business segments contribution.

#### KUN

Gross result Sales and marketing exp Admin and general exper Other revenues/expenses **Operating result** EBITDA Normalized EBITDA Normalized EBITDA ma Financial income/(expens Income from associates **Profit before tax** Income tax Net result Profit/(loss) on holdings Net result Normalized net result Normalized net result

Normalized EBITDA = EBITDA without SOP impact

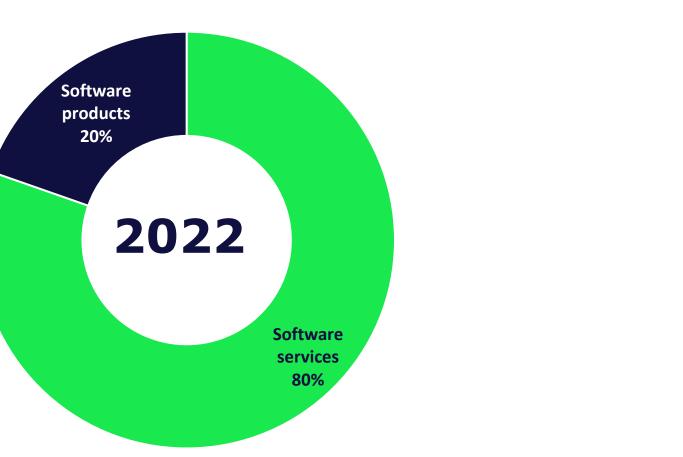
Normalized net result excludes the non-cash effect generated by SOP and goodwill amortization

	2022	2021	YoY %
	105.6	73.2	44%
oenses	9	7.5	20%
nses	41.5	18.6	123%
S	1.9	0.9	114%
	53.2	46.2	15%
	70.3	56.5	24%
	76.3	56.7	35%
argin	25%	28%	
ses), net	0.08	2.8	-97%
	-	2.9	
	53.3	51.9	3%
	-6.2	-6	4%
	47.1	45.9	3%
held for sale	-	-0.07	
	47.1	45.8	3%
	53.1	46.1	15%
margin	17%	23%	

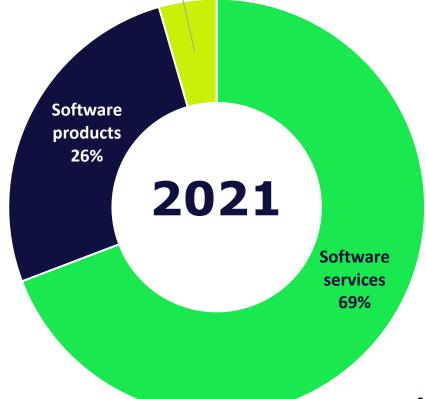


### **Topline split per business segment**

- The software services industry constantly requires access to excellent resources in increasing numbers to perform in a competitive market. Consequently, this line increased by 87% in 2022, reaching RON 240.1 million, 80% of turnover.
- Regarding software products, such as fleet management, business optimization, and digital payments, the market experienced growth in 2022 due to the accelerated digitalization processes of companies and organizations. In 2022, this line grew 20%, reaching RON 58.7 million, contributing 20% to the total turnover.



#### **Revenue from the distribution of goods - 5%**



## 9M 2023 financials





### **9M 2023 Consolidated Results**

- In the 9M 2023, the AROBS Group recorded consolidated net turnover of RON 349.8 m, up 67% compared to 9M 2022.
- The Group's organic business contributed 67% to • consolidated net turnover, up 18% from 9M 2022.
- Newly acquired companies contributed 24% to the • consolidated net turnover in 9M 2023.
- An important factor that determined the increase in • turnover at group level is the contribution of the new companies acquired after Q3 2022 and the contribution of companies acquired before end of Q3 2022.



CONSOLIDATED P&L (RON m)	30.09.2023	30.09.2022	Variation %
Net turnover	349.8	208.9	67%
Other operating revenue	1.5	1.0	60%
TOTAL OPERATING REVENUE	356.3	212.6	68%
Cost of goods	34.1	5.1	567%
Personnel expenses split by:	171.2	71.8	139%
Wages and taxes	156.0	69.7	124%
ESOP	15.2	2.1	639%
Expenses for services performed by third parties	75.8	64.3	18%
Other operating expenses	25.2	14.0	80%
Amortization and depreciation of tangible and intangible assets, split by:	18.3	11.6	58%
Amortization and depreciation of other tangible and intangible assets	6.7	4.4	53%
Amortization of Goodwill	11.6	7.2	61%
TOTAL OPERATING EXPENSES	324.6	166.9	95%
OPERATING RESULT	31.7	45.7	-31%
EBITDA	49.7	54.9	-9%
EBITDA margin	14%	26%	
Normalized EBITDA	65.0	59.2	10%
Normalized EBITDA margin	19%	28%	
FINANCIAL RESULT	1.4	1.0	35%
Gross result	33.1	46.7	-29%
Income tax	9.6	8.4	14%
NET RESULT	22.5	38.3	-41%
NET RESULT margin	6%	18%	
Normalized NET RESULT	49.4	47.6	4%
Normalized NET RESULT margin	14%	23%	
Out of which, non-controlling interest net result Unaudited, according to RAS.	0.6	0.1	461%

Normalized net result excludes the non-cash effect generated by SOP and goodwill amortization



### 9M 2023 Individual Results

 In 9M 2023, AROBS reported a notable financial result of RON 20 m from the distribution of dividends which were sourced from the profits accrued by three of the subsidiaries. Individual P&L

Net turnover

Other operating revenue

TOTAL OPERATING REVE

Cost of goods

Personnel expenses split by

Wages and taxes

ESOP

Expenses for services perfo parties

Other operating expenses

Amortization and depreciati intangible assets

TOTAL OPERATING EXPE

**OPERATING RESULT** 

EBITDA

**EBITDA** margin

Normalized EBITDA

Normalized EBITDA mar

FINANCIAL RESULT

**Gross result** 

Income tax

**NET RESULT** 

NET RESULT margin

Normalized NET RESULT

Normalized NET RESULT

Unaudited, according to RAS. Normalized net result excludes

(RON m)	30.09.2023	30.09.2022	Variation %
	205.5	166.0	24%
	0.8	0.6	38%
ENUE	208.7	168.3	24%
	3.4	5.2	-35%
y:	99.5	47.6	109%
	86.8	45.6	90%
	12.6	1.9	558%
ormed by third	59.5	57.5	3%
	16.6	11.5	44%
tion of tangible and	4.0	2.5	64%
ENSES	183.0	124.3	47%
	25.8	44.1	-42%
	29.5	45.4	-34%
	14%	27%	
	42.1	48.4	-12%
rgin	21%	29%	
	22.4	0.9	2451%
	48.2	44.9	7%
	6.4	7.0	-8%
	41.8	38.0	10%
	20%	23%	
	54.5	39.9	37%
r margin	27%	24%	

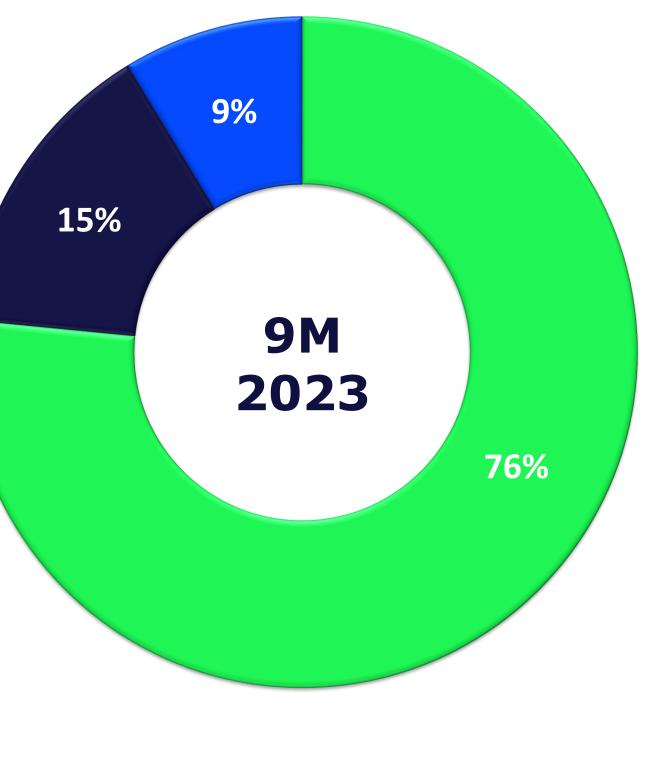
Normalized net result excludes the non-cash effect generated by SOP and goodwill amortization



### **Business segments contribution** to total turnover

- Software Services segment registered a +62% increase at the consolidated level in 9M 2023 compared to 9M 2022.
- **Software Products** segment increased by +22% compared to 9M 2022.
- **Integrated Systems** segment, developed by one of the Group's subsidiaries, AROBS Systems, is responsible for implementing hardware and software solutions and software products for public sector.





Software Services Software Products ■ Integrated systems

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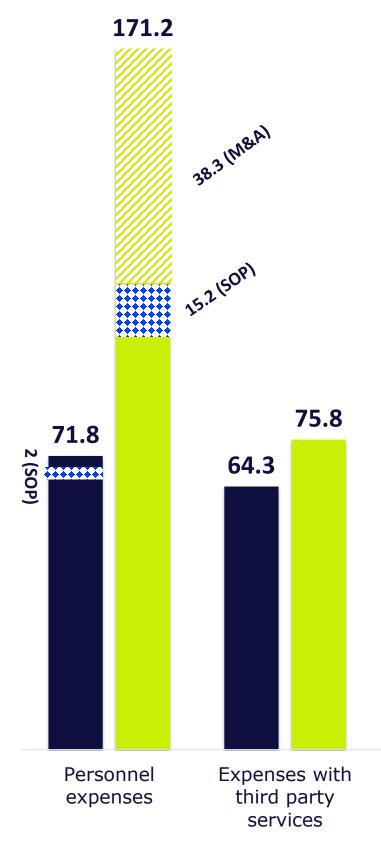
### **Organic, M&A and Greenfield contributions**

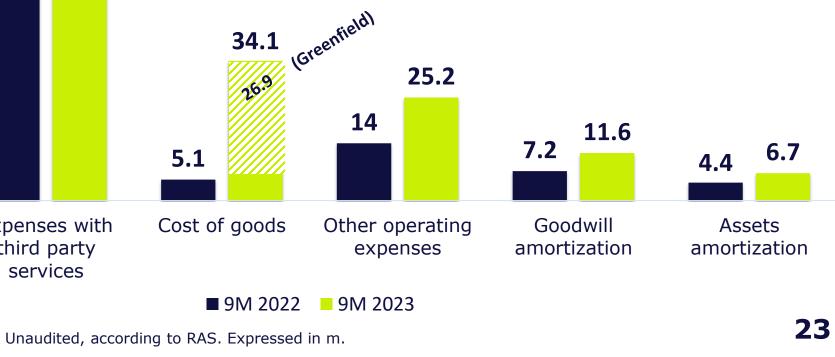
RON m	9M 2023	Organic	% of Total	M&A	% of Total	Greenfield	% of Total
Turnover	349.8	235.7	67%	82.5	24%	31.7	9%
Other operating income	6.5	4.3	66%	2.2	34%	-	0%
Personnel expenses, of which:	171.2	119.0	69%	50.7	30%	1.5	1%
Employee expenses - wages and taxes	156.0	105.7	68%	48.8	31%	1.5	1%
ESOP	15.2	13.3	87%	1.9	13%	0.0	0%
Other operating expenses (cost of goods, third parties and other expenses)	135.1	75.2	56%	30.2	22%	29.7	22%
Amortization and depreciation (including goodwill)	18.3	5.6	31%	12.7	69%	0.0	0%
Amortization of tangible and intangible assets	6.7	5.6	84%	1.1	16%	0.0	0%
Amortization of goodwill	11.6	-	0%	11.6	100%	-	0%
Operating result	31.7	29.1	92%	2.2	7%	0.4	1%
EBITDA	50	34	69%	15	30%	0	1%
EBITDA margin	14%	14%		18%		1%	
Normalized EBITDA	65	48	74%	16	25%	0.4	1%
Normalized EBITDA margin	18%	20%		19%		1%	
Financial result	(1.4)	(1.5)	109%	0.1	-6%	0.0	-3%
Profit before tax	33.1	30.7	93%	2.1	6%	0.4	1%
Net result	22.5	22.2		0.0	0%	0.3	1%
Net result margin	6%	9%		0%		1%	
Normalized net result	49.4	35.5	-	13.5	27%	0.3	
Normalized net result margin	14%	15%		16%		1%	



### **Operating expenses**

- The primary drivers of our expenses were personnel expenses, which saw an increase due to M&As, accounting for 25% of total salary expenses.
- This increase was further fuelled by the expansion of our teams to bolster our organic growth initiatives.
- The cost of goods sold played a significant • role in the increased spending, primarily due to the expenses related to equipment and IT solutions included in our integrated systems segment.
- Expenses with third party services was notable for 9M 2023. The recently acquired companies contributed to 25% of these service-related expenses in the first nine months of 2023.





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### **9M 2023 Balance Sheet**

- Fixed assets growth driven by strategic acquisitions of AROBS Software SRL, AROBS TrackGPS SRL, SYDERAL Polska, Future WorkForce SA, AROBS Pannonia Software Kft, and Skyshield Hungary Kft.
- New headquarters **investment of RON 11.2 m** and **RON 4.2 m** in internal product enhancements showcase our commitment to innovation and infrastructure.
- Total liabilities saw a 23% rise to RON 139.4 m, reflecting the integration of new entities and a new bank loan for Future Workforce Group acquisition.
- A healthy bank financing debt ratio at 1.14 underpins our strong financial standing and readiness for future strategic investments.

Balance sheet indicators (RON m)	31.12.2022	30.09.2023	Variation %
Fixed assets, of which:	153.4	198.4	29%
Goodwill	112.4	142.1	26%
Current assets, of which:	205.0	217.4	6%
Trade receivables	67.9	97.8	44%
Cash and cash equivalents	101.3	88.5	-13%
Prepayments	1.9	2.6	34%
Total assets	642.0	746.9	16%
Current liabilities, of which:	55.7	72.2	29%
Bank financing	18.5	22.1	19%
Trade payables	15.9	14.2	-11%
Non-current liabilities, of which:	57.4	67.2	17%
Bank financing	55.4	65.3	18%
Total liabilities	113.1	139.4	23%
Provisions	16.1	17.4	8%
Deferred revenue	7.0	8.0	14%
Equity	224.2	253.7	13%
Total equity and liabilities	360.4	418.4	16%
Net accounting assets	505.8	582.2	15%

## 2023 Budget





### **2023 Consolidated Budget\***

- The **consolidated budget** does not include financial projections of the companies acquired in 2023.
- Revenue from products and cost of goods include estimates for 2023 for system integration activities conducted through one of the Group subsidiaries.
- The **amortization and depreciation** includes also the amortization of goodwill recognized in the financial statements according to statutory accounting regulations.
- Normalized EBITDA and normalized net result excludes the non-cash impact of the SOP program.

#### **PROFIT AND LOSS**

Net turnover, of wh Services rendered Revenue from sale of Other services Other operating rever Total operating rever Cost of goods

Personnel expenses Third-party services Other operating expenses Amortization and dep

Total operating exp Operating result EBITDA

EBITDA margin Normalized EBITDA Normalized EBITDA m

Financial result Gross result

Gross Result Margin

Net result

Net Result Margin Normalized net result Normalized net result

ACCOUNT	AMOUNT (RON m)
hich:	421.3
	334.9
f goods	86.3
	0
enues	6
venues	427.2
	41
	188.6
	107.7
enses preciation	15.6 18.8
penses	<b>371.8</b>
penses	55.4
	74.2
	17%
	92.5
margin	22%
	(1.6)
	53.8
	13%
	45.2
	11%
t	63.4
t margin	15%



# 9M 2023 performance vs. the budget

- Turnover outperformed budget by 8%, driven by growth in services and software products.
- Consolidation of new acquisitions (M&A) not accounted for in the initial budget contributed to this increase.
- Operating expenses rose by 13%, reflecting the operating costs of the 2023 acquired companies (not included in the budget), including associated goodwill amortization related to these transactions.

**2023 CONSOLIDATED F EXPENSE BUDGET Total Operating Revenues** Net Turnover, of which: Revenue from services Product revenue Revenues from software produc Revenues from integrated syste Other services Other operating revenues Total operating expenses Cost of goods Personnel expenses, of which: SOP Expenses Expenses for services performe Other operating expenses Amortization and depreciation **Operating result** EBITDA EBITDA margin **Normalized EBITDA\*\*** Normalized EBITDA Margin\*\* Financial result **Gross result** Gross Result Margin Net result Net result margin Normalized net result\*\*\* Normalized net result margin\*\* \*Unaudited, according to RAS. \*\*Normalized EBITDA = EBITDA without SOP impact

REVENUE AND (RON m)	Realized 9M 2023*	Budgeted 9M 2023	Realized vs Budgeted %
	356.3	328.0	9%
	349.8	323.5	8%
	266.3	251.2	6%
	81.6	72.3	13%
icts	51.3	42.0	22%
ems	30.3	30.3	0%
	2.0	_	100%
	6.5	4.5	45%
	324.6	286.2	13%
	34.1	37.1	-8%
	171.2	141.5	21%
	15.2	13.7	12%
ed by third parties	75.8	80.8	-6%
	25.2	12.7	98%
(including goodwill)	18.3	14.1	30%
	31.7	41.8	-24%
	49.7	55.9	-11%
	14%	17%	-3%
	65	71	-9%
	18%	22%	-3%
	(1.4)	(1.2)	16%
	33.1	40.6	-18%
	9%	12%	-3%
	<u>22.5</u> 6%	<u> </u>	<u>-23%</u> -3%
	49.4	<b>50.1</b>	-3% -1%
**	14%	15%	-1%
	/ •	/	= / •

\*\*\*Normalized net result excludes the non-cash effect generated by SOP and goodwill amortization

## **AROBS on BVB**





## Key investment highlights

### **LISTING VENUE**



### **RESEARCH COVERAGE**



#### **TP: RON 1.43**



# Largest IT company listed on the Bucharest Stock Exchange in terms of capitalization, offering liquid portfolio diversification opportunity

- State-of-the-art expertise in the automotive industry
- Globally relevant technology player
- Strong portfolio of own solutions and products

- Strong YoY organic revenue growth further supported by intense M&A activity
- 84% rule of 40 in 2022, a principle that states that a software company's combined revenue growth rate and profit margin should equal or exceed 40%

**TP: RON 1.25** 

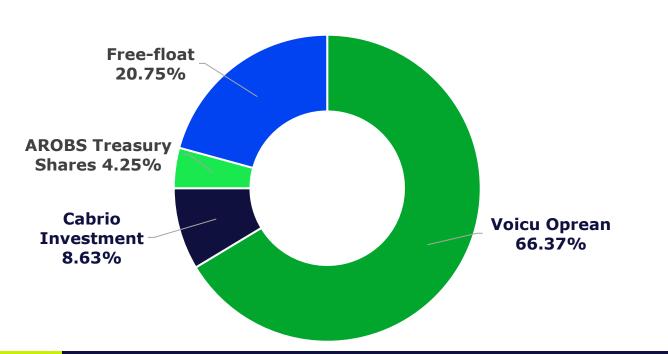
- Average daily liquidity in 2022: RON 0.4 million
- Total traded value in 2022: RON 103 million, most traded company on AeRO market and amongst top 20 most liquid BVB issuers
- Average daily liquidity YTD 2023 is already overpassing 5
  BET issuers

- Already included in the MSCI Frontier & Romania Small Cap indices, with potential to be included in other major local and international indices
- One of the few companies offering a free employee Stock
  Option Plan following the employer branding strategy of
  we are more than just colleagues, we are partners



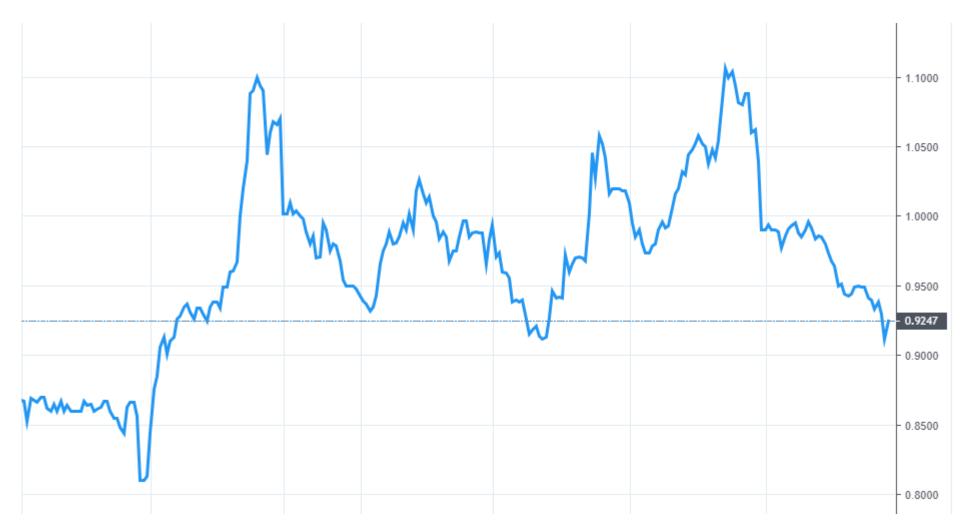
### **AROBS shares**

- The company has **5,000+ shareholders**, with a solid base of retail investors and institutional appetite given the sectorial diversification.
- The market capitalization is currently oscillating around **RON 800 mn**.
- The dividend policy includes the capitalization of the profits, in order to **fuel the growth** of the company through organic development but also M&As.



#### Shareholding structure as of 15.11.2023

#### AROBS shares price evolution between 01.11.2022 – 22.11.2023



Since the successful closing of the private placement in October 2021, the company's market capitalization on the AeRO market has increased by 53%, from RON 618 mn to RON 948 m as of September 20, 2023, the last trading day of the company on the AeRO market. As of September 25, 2023, AROBS shares are traded on the Main Market of the Bucharest Stock Exchange.

## **Organizational Structure**





## **ORGANIZATIONAL STRUCTURE**

**GENERAL SHAREHOLDERS MEETING** 

**BOARD OF DIRECTORS** 

#### **EXECUTIVE MANAGEMENT**

SOFTWARE SERVICES	FINANCIAL	MARKETING
SOFTWARE PRODUCTS	IR	HR
INTEGRATION	LEGAL	

AUDIT COMMITTEE NOMINATION AND REMUNERATION COMMITTEE

**ADVISORY** BOARD

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## **BOARD OF DIRECTORS**



**Voicu Oprean Chairman and CEO** 

Founder of AROBS, Voicu Oprean is a graduate of the Technical University of Cluj-Napoca, holding a bachelor's degree in Computer Automation, as well as a Master's degree in Business Administration from Babes Bolyai University. He also graduated with an EMBA from Wu Wien in 2008, as well as the London Executive Business School in 2018 and the President's Program in Leadership YPO at Harvard Business School in 2021. Oprean mentors and Voicu coaches many startups and generations of entrepreneurs.



Mihaela Cleja **Non-Executive Member** 

Mihaela Cleja joined AROBS Transilvania Software in 2008 as Chief Financial Officer (CFO) until September 2021, coordinating capital budgeting, forecasting, reporting, and controlling operations. Prior to this position, she held the position of CFO in several companies, with over 28 years of professional experience. She graduated in 1993 from the Faculty of Economic Sciences at Babeş Bolyai University, and in 2008, she obtained a Master's Management in degree in Administration of Credit and Commercial Institutions Companies.



### **Aurelian Deaconu**

#### **Executive Member**

Deaconu has Aurelian been the Executive Director of Software Services Division, within AROBS Transilvania Software, since 2011, having previously held CFO positions within Endava Romania (2007-2011),AGS (1999-2004)Romania and Alfasoft SA (19931999). He holds a degree in Electronics and Telecommunications from the Technical University, in Industrial and Financial Management from Babes Bolyai University, and an MBA from the Conservatoire de Arte et Métiers, Paris.

his



#### **Ioan Nistor Independent Member**

Ioan Alin Nistor, professor of finance at Babes-Bolyai University in Cluj-Napoca, is distinguished by a career of over 20 years in the academic field. After graduating with a PhD in finance, he broadened his global perspective through a post-doctoral internship at Kobe University in Japan and an Executive MBA program at Hull University in the UK. His commitment to values-based leadership has been reinforced by graduation from the prestigious Aspen Institute -Public Service Leadership program.



### **Razvan Garbacea**

#### **Independent Member**

Razvan-Dimitrie Garbacea was coopted as an independent member of the Board of Directors out of AROBS' desire to align itself with best practices in corporate governance. Mr. Răzvan Gârbacea has 20 years of experience in the banking sector, having held management positions in BCR (Regional Corporate Director) and BRD (Regional Corporate Director) and currently holds the position of Corporate Executive Director in EXIMBANK Romania.

## Annex

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SOFTWARE **SERVICES** 

**TELEMATICS** & FLEET MANAGEMENT

**BUSINESS OPTIMIZATION SOLUTIONS** 

HR MANAGEMENT **SOLUTIONS** 

**SOLUTIONS** 

#### PAYMENT **ROBOTIC PROCESS INNOVATION AUTOMATION** HUB

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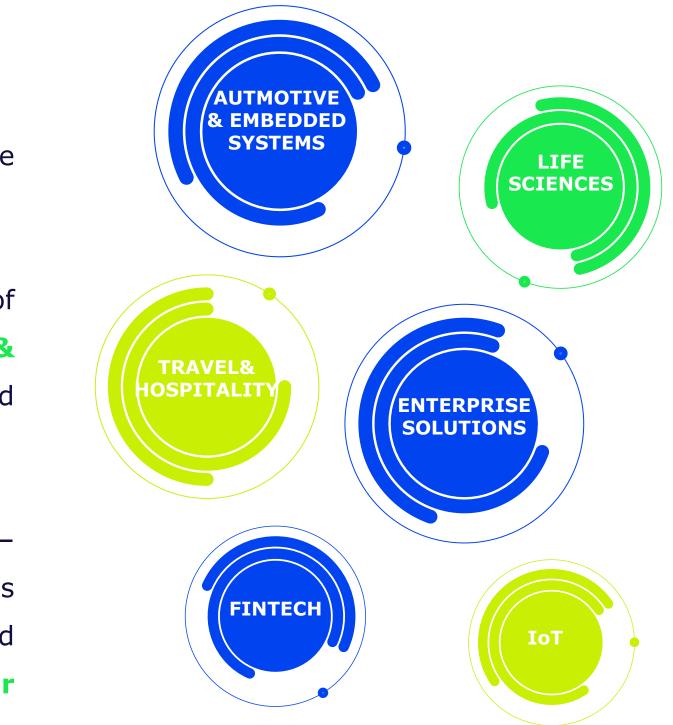
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## **SOFTWARE SERVICES**

- **AROBS** reached the global level of an IT solution provider of ready-to-use systems and software services based on the latest technologies.
- With 25 years of experience in software services, we address the IT needs of industries as diverse as Automotive and Embedded systems Travel & Hospitality Life Sciences IoT Fintech and Enterprise solutions. Find out more at <u>www.arobs.com/software-services/</u>.
- Since the acquisition of Berg Software and ENEA Software Development recently renamed AROBS Engineering, we have extended Life Sciences expertise, including Medical Devices and Biomedical, and extended Embedded expertise, including Aerospace, Maritime and Consumer Electronics.

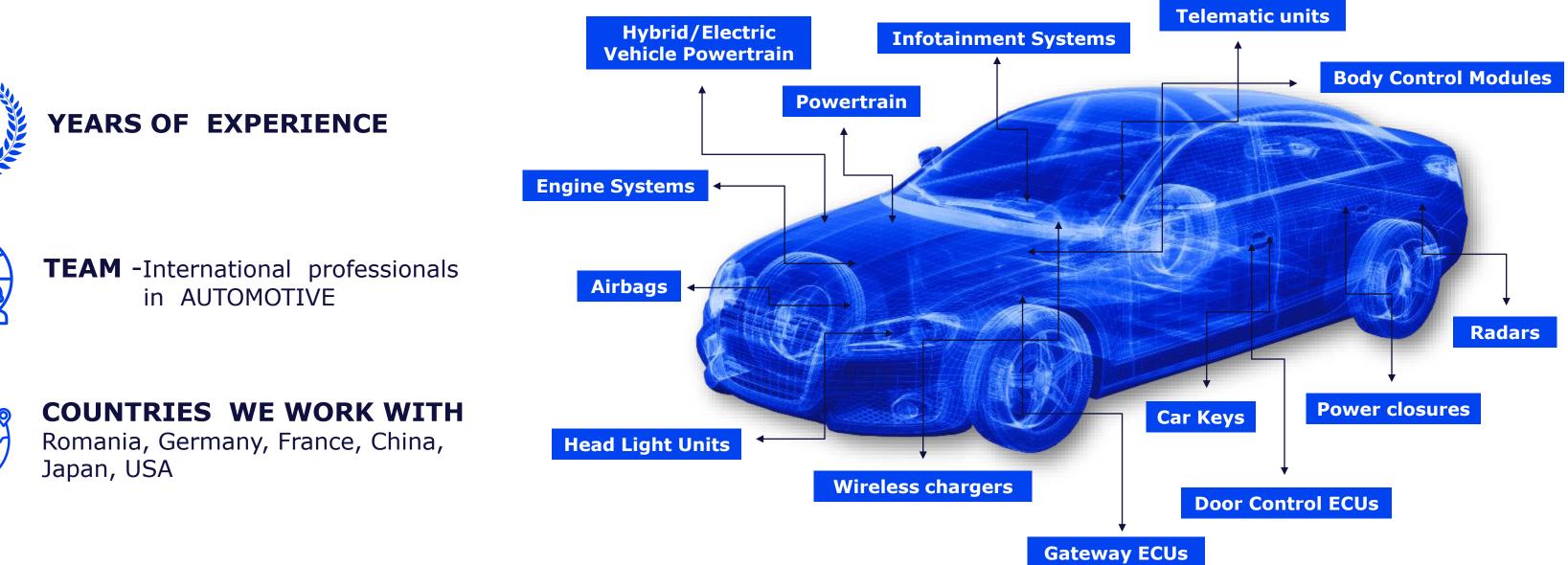


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## AUTOMOTIVE & EMBEDDED SYSTEMS



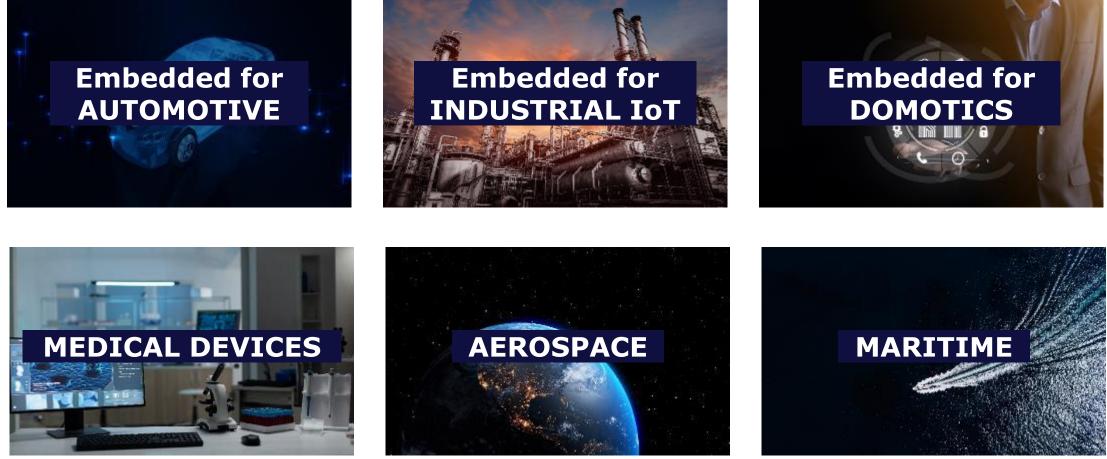


2021 Supplier of the Year award for Engineering Services

offered by Continental



# Our embedded software and systems expertise relies on:











# **TRAVEL & HOSPITALITY**



YEARS OF BUSINESS EXPERTISE



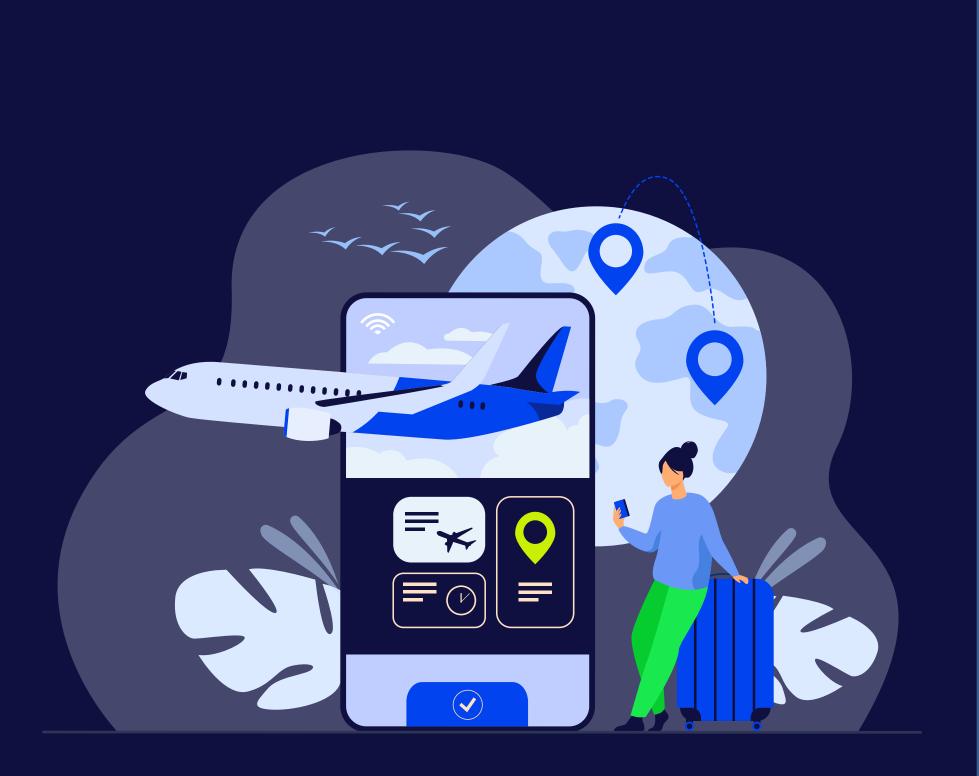
**PROJECTS** -20+ long-term projects finished, 15+ complex ongoing projects



**CLIENTS** – 10+ major market leaders as clients



**TEAM** - 140+ experts in the highest technologies



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## LIFE SCIENCES



**20+ COMPLETED PROJECTS** – on long-term collaboration



**EXPERTS** – that generate solutions that impact millions of end-consumers



# **5+ ONGOING PROJECTS** and more to come



#### **40**



### loT



YEARS OF EXPERIENCE - Collaboration with major companies in the industry from Italy and France



- **PROJECTS** 20+ projects finished during our collaborations,
  - 5+ projects in progress



**COMPETENCIES** - Software solutions that impact thousands of people that use our applications in their homes or offices



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## **ENTERPRISE SOLUTIONS**



YEARS OF EXPERIENCE



**COUNTRIES WE WORK WITH** USA, Germany, UK, Norway, Finland, Netherlands



**APPROACHES** Java, .Net, PHP, Node.js



#### **TECHNOLOGIES**

Big Data & Elasticsearch, CICD & continuous monitoring, Cloud native (AWS, Azure, Docker), High availability & scalability, Modern UI frameworks



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### FINTECH



YEARS OF EXPERIENCE



#### PRODUCTS

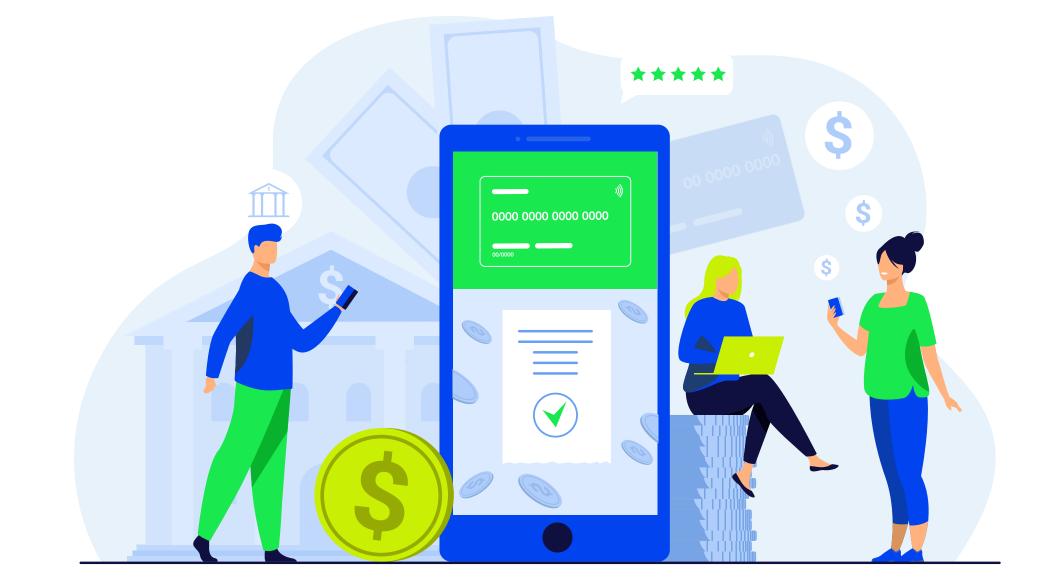
User-oriented fintech products



**TEAM** - Collaborative teams with rigorous information security and cybersecurity



#### INTERNATIONAL COLLABORATIONS





#### **TECHNOLOGIES & APPROACHES**

Blockchain, Angular 8/10, Reactive Programming - RxJS, Responsive Web Design Patterns - Flexbox, Strongly-Typed Language – Typescript, DOM, HTML5, CSS3, JavaScript, Java 8, Spring Framework / Spring Boot, JPA (Hibernate), JMS, Hazelcast, WebServices (REST API and SOAP), PostgreSQL, Oracle 12, QA Automation - Java 8, Selenium, Serenity, Cucumber





- **Berg Software** is a top custom software development company with 30+ years of experience on the market.
- In 2021, Berg joined AROBS Group, to further grow nationally and internationally.

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berg-software.com

















- In over 20 years of designing software using cutting-edge technology, AROBS Engineering (formerly known as Enea Software Romania and IpDevel) has earned its reputation for quality and innovation.
- AROBS Engineering team use its experience in the service of clients, helping them achieve fast and stable transformation in a rapidly evolving technological landscape.
- AROBS Engineering joined AROBS Group in 2022.
- The team has extensive expertise of over 20 years in embedded technologies and systems for:





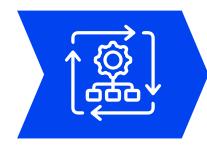


- **Nordlogic**, a local group of companies specialized in developing custom software products and platforms, joined AROBS in 2022.
- During its **17 years of existence**, Nordlogic has developed and implemented web and cloud applications as well as software based on Microsoft technologies for local and international customers.

nordlogic.com







# **Intelligent Automation: AI, RPA, ML, Low Code**

- Intelligent Automation specialization of 100+ specialists located in Romania, the Netherlands, Belgium, Germany, and the UK.
- The latest RPA (UiPath, Microsoft, Celonis, Outsystems), AI, and ML technologies





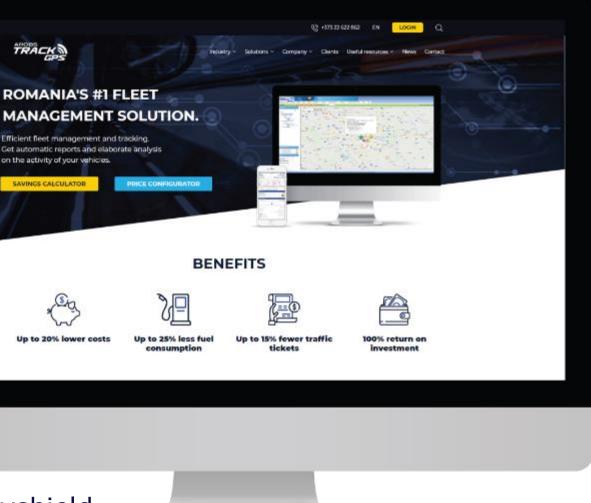




- A portfolio of +10.000 customers
- +110.000 monitored vehicles
- **LEADER** of the Romanian market
- **Top 5** in Central & Eastern Europe, following the acquisition,

by AROBS, of SAS Grup (now SASFleeT Tracking) and CDS GPS in Romania, Skyshield in Hungary, as well as AROBS Track Moldova in the Republic of Moldova.

trackgps.ro







# **BUSINESS OPTIMIZATION SOLUTIONS**

### AROBS Optimall

Sales and distribution automation, warehouse inventory management, TMS systems, business intelligence software.



Complex tools for business administration.

Soft Manager CRM+ by AROBS

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# HR MANAGEMENT SOLUTIONS



- True HR for personnel management, recruitment, performance evaluation, time keeping, training, organizational charts, reporting, career planning.
- **dpPayroll** for payroll calculation, staff cost analysis, and employee data reporting.







- **EXPERTISE** in Education, Cluster Management Platform, Learning Management Systems, ٠ Telematics & Fleet Management Platform Add-Ons, Map Administration Portal.
- **PRODUCTS:** •
  - Digital School Books
  - RateWizz Channel Manager



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CFO

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