

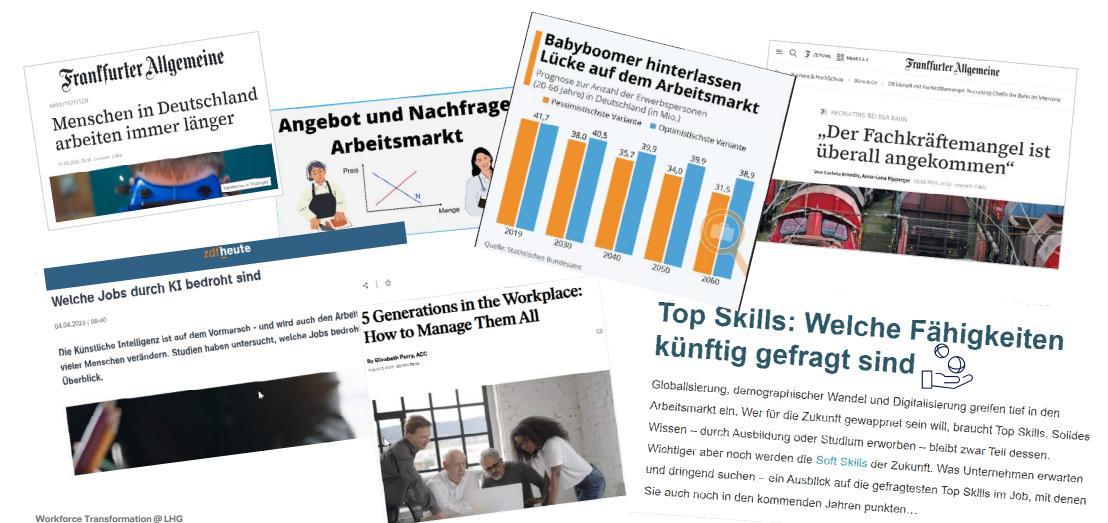




Our challenge | Welcome to the VUCA world

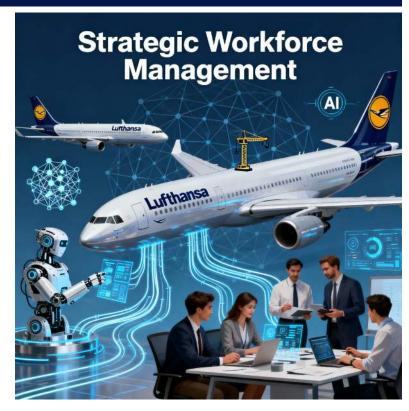
October 6, 2025, GP/W

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Agenda

- 1 Strategic Workforce Management (SWM) Risk Management
- 2 Outlook: External labor market in aviation
- 3 SWM in the Lufthansa Group
- 4 Al-Tools and impacts to SWM
- 5 Business driver and the right questions
- 6 Q&A



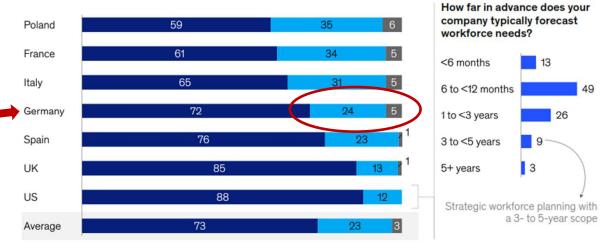
Strategic Workforce Management | Most companies conduct operational workforce planning, but only few take a strategic, long-term approach¹⁾

Engagement in workforce planning, 1% of HR respondents

Yes, in full throughout the entire company (including demand and supply side; regularly updated data)

Yes, but not exhaustively (not all roles are tracked; data is not always up to date)

No, not at all



Note: Figures may not sum to 100%, because of rounding.

Question: Does your company carry out workforce planning?

Source: McKinsey HR Monitor Survey, Dec 2024, n = 4,069 employees and 1,925 HR professionals in France, Germany, Italy, Poland, Spain, UK, and US

McKinsey & Company

1) Source: HR Monitor 2025 - McKinsey's

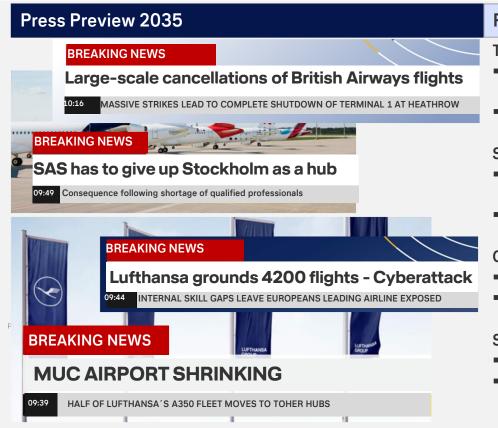
Workforce Transformation @ LHG October 6, 2025, GP/W Page 4

HR Monitor 2025 - McKinsey's

- Employees lack the skills required to meet business demands => 32% of employees do not have all the skills they need to perform in their current role
- Critical skills for the future are in high demand but short supply
- Gen Al could automate up to 27% of work hours in Europe
- Skills based SWP is the best method and effective approach to address skills gaps
- Companies are not proactively assessing the skills they have or lack, and they are not hiring and developing employees based on the SWP findings
- Only 41% have developed a **Skill taxonomy** that has been tailored to the needs of their business.
 - => crucial for talent management and learning
- The **skills gap** is not just a future concern; it is a growing reality that already threatens business agility and innovation.
- Workforce insights Use AI to track employees' skills dynamically => highlight skill gaps and development needs

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Risk Management | Looking 10 years ahead - What if people risks threaten our airline industry future business model more than we think?



People risks may hinder European Airline growth, quality & efficiency

Transnational labor disputes lead to domino-style strikes:

- Dissatisfaction arising from labor shortages is prompting employees to initiate strike action (pilots, cabin crew, ground staff)
- Severe revenue losses incoming

Significant decline in Sweden's working-age population 1)

- Widespread retirements and the consequent shortage of skilled personnel could force a company to downsize its operations
- Early retraining and recruitment measures are crucial

Cybersecurity Risks

- Disruptive tech advances require significant up-skilling
- Strong impact on safety, security & ops stability

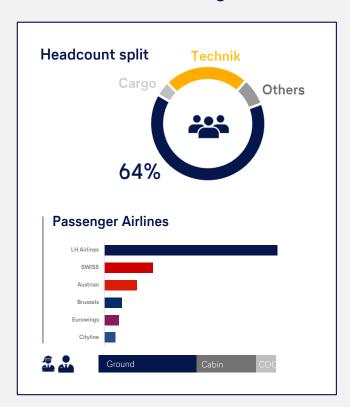
Staffing Challenges at MUC

- Lack of staff for service jobs, technical profiles, supply chain partners
- Underutilized infrastructure, growth opportunities left out

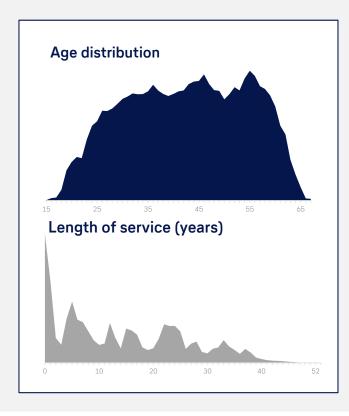
Source: 1) 2025 Global Talent Shortage

LHG starting point | more than 104.000 employees' group-wide

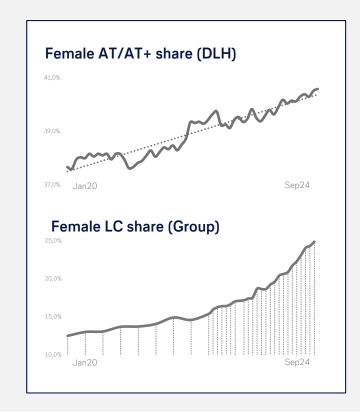
~2/3 of staff at Passenger Airlines



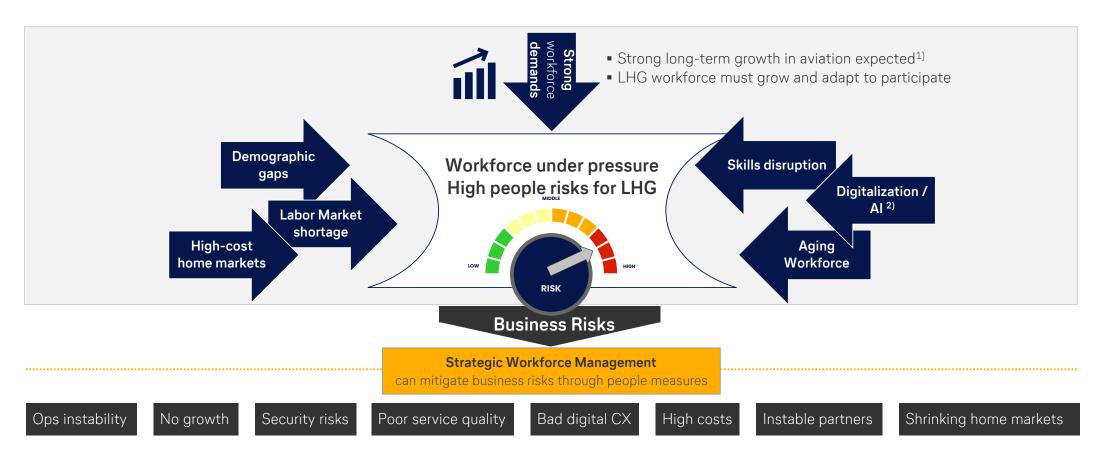
Re-Generation



Rising female share



SWM focus on biggest people risks | LHG must secure their business capabilities for stable growing in the future



Source: 1) IATA; 2) One IT project

Workforce Transformation @ LHG October 6, 2025, GP/W Page 7

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SWP managing risks holistically | Researching the future and making developments transparent is the key to success



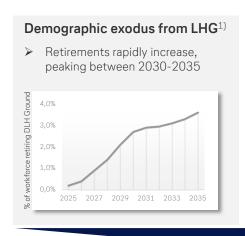
Agenda

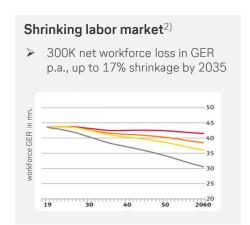
1 Strategic Workforce Management (SWM) – Risk Management

2 Outlook: External labor market in aviation

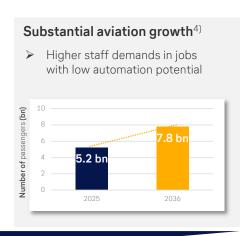
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Outlook in Aviation labor market | People risks are real already - Demographic shrinking plus decreasing number of qualified applicants in EU









Critical outlook for growth, cost & ops stability



- Critical ground handling jobs understaffed (security, BVD)
- Limited ATC system due to lack of staff



No people, no growth

- Structural flight attendants & ground service gap expected at high-cost hubs
- By 2035 only 83% of today's candidates with lower quality



- Technicians with big shortage already
- Competition to increase further (growing demand +156%; supply shrinks by 50K)⁵

Risks: Rising costs, limited growth, ops instability, lower service quality, lower fleet efficiency

Source: 1) CB/Z; 2) Statistisches Bundesamt; 3) GD/M 2024; 4) IATA; 5) Talent Neuron, 2025, demand increase by +153% 2013-2023; 50K (-20%) net loss of technicians in GER labor market over the next 10 yrs.

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SWM in LHG | HR plus AI derives and prioritizes people focus groups – in close cooperation with Group Strategy

Governance Decision

↑ ↑ 7

Identify Focus Groups



Prioritize



Next Steps



Group owned, BU executed

- LHG CoE provides processes, tools, IT
- BUs execute SWM
- SWM resources in headquarter and decentralized HR departments (BU)

Al-driven approach

- Al analysis of strategy documents from all BU
- Extracted strategically most important workforce focus groups
- Labor market analysis

Prioritization with Strategists of Airlines

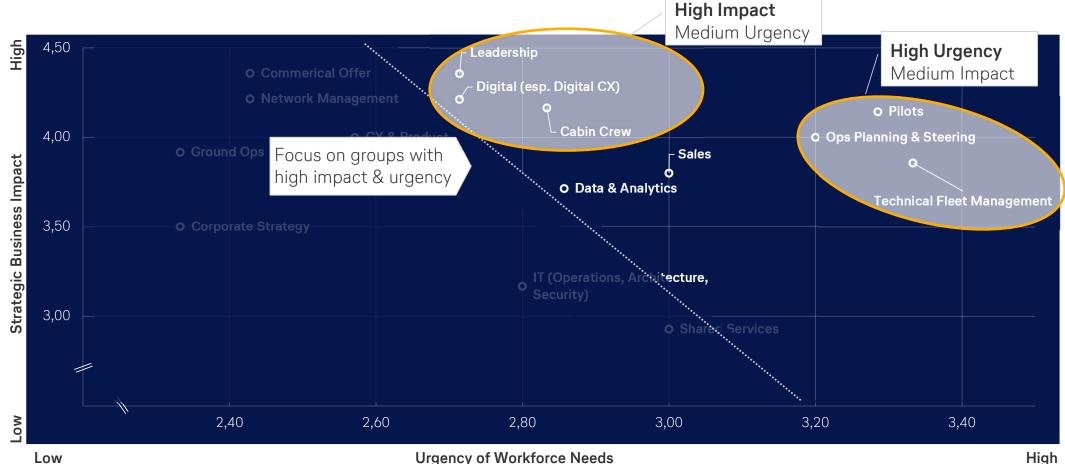
- Focus groups rank & prioritized by Strategy & HR
- Impact (Strategic & KPI effects)
- Urgency

Elaboration with Business Owners & HR

- Top-down input by corporate strategy
- Input by HR & Business
- Decision by HR Board of Directors Oct 2025

SWM in LHG | LHG focus groups results: Prioritization points to high impact

as well as urgent workforce needs



Low

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High

SWM in LHG | Focus on target picture and future needs

1 | Analyze Status Quo of Workforce

- Demography
- Skills
- Job Profiles
- Job Architecture
- Recruiting / Hiring

2 | Model strategic drivers, future demand and supply

- Corporate Strategy / Targets
- Business Development
- Competitors
- Technology
- Labor Market

3 | Design target picture, analyze and fill gaps

- Operating Models
- Job Architecture
- Skill-Matching
- Shoring
- Qualification/Up-Skilling



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SWM pitstop | Creating awareness - Asking the right person the right questions in each business unit - you get first SWM insights very fast

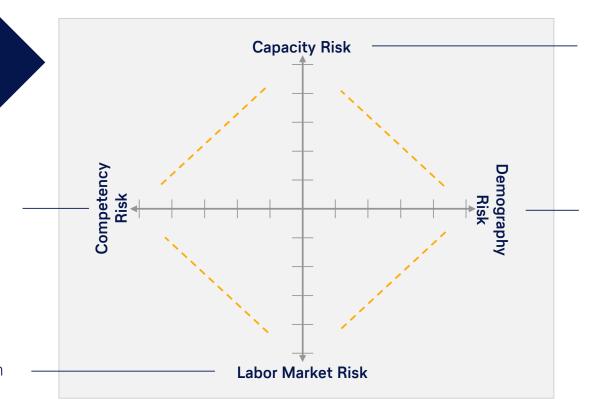
1. Analyze status quo Risk evaluation of selected jobs / roles

Competency Risks:

Do employees have the skills needed to meet business goals?

Labor Market Risks:

How likely is it that new hires won't be available on the market when needed?



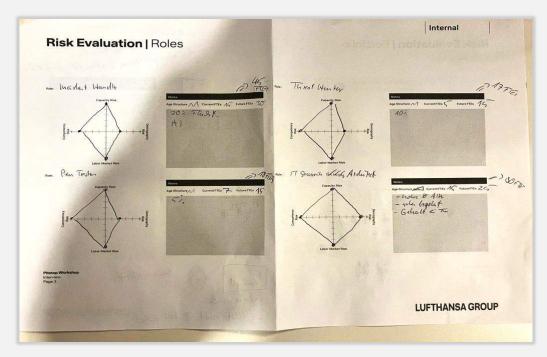
Capacity Risks:

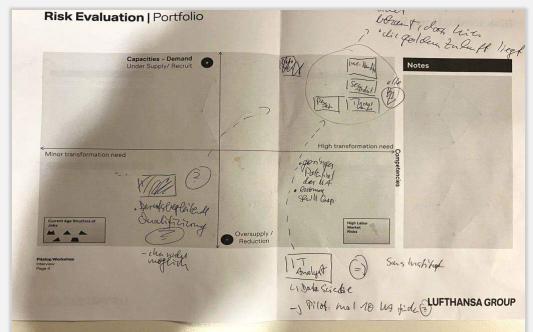
Will current staff be sufficient in the next years? Are there roles where we expect too many employees?

Demography Risks:

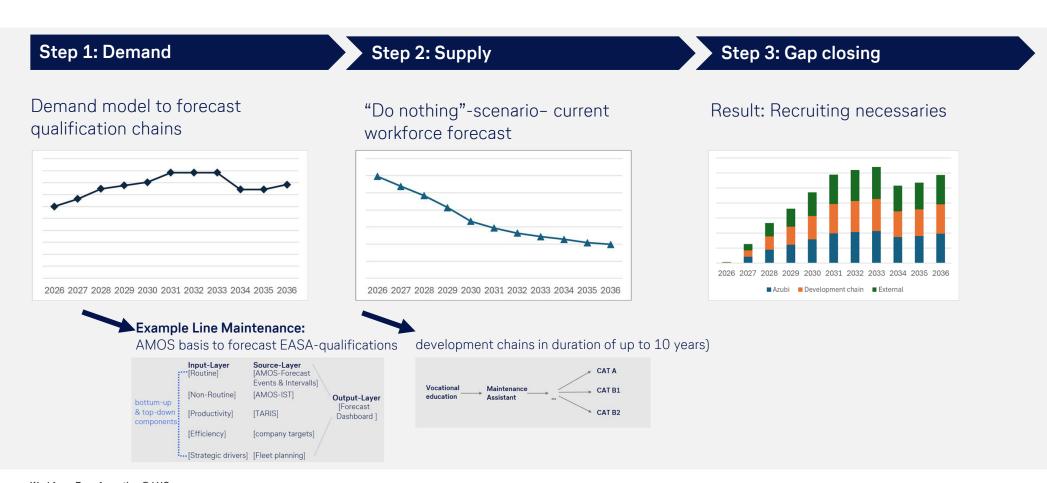
Does the age structure indicate risk of staff loss that needs replacement?

SWM pitstop - Example | Results in less than 30 Minutes - fastest SWP ever





After Pitstop-Analysis | Numeric simulation of demand and supply forecast as the key for focus groups with great size

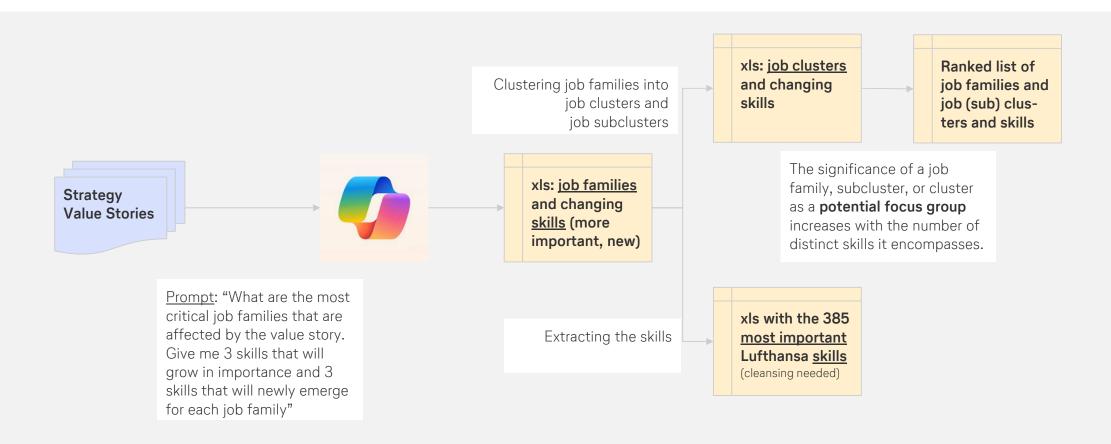


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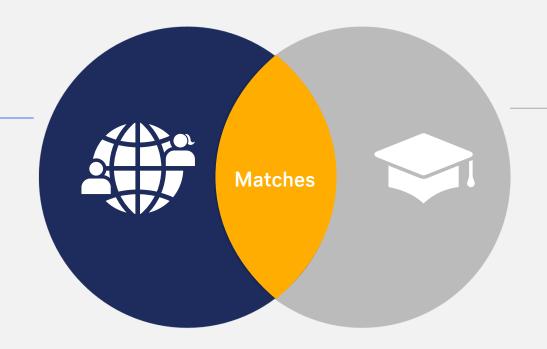
AI-Tools | Gen-AI driven identification of critical workforce focus groups from LHG strategy documents – Evaluation of BU's strategies



AI-Tools | Skill-Matching: Synchronization of skill requirements for a position with the applicant's skill set – Compare worldwide job-postings with internal Job-Profiles

Which skills are needed?

- Compare internal job-profiles against external market via Al-Data from job-postings worldwide
 - TalentNeuron/HRforecast
- <u>Future Job-Profiles</u>: Skill-requirements based on business needs



Which skills does the applicant have?

- Individual skill-set
- Competence level
- Experiences
- Professional education
- Identification of training needs and personal development

Al-Tools | <u>Talent intelligence</u> discover, that boundaries between existing roles are blurring, new roles are emerging – work architecture?

Al-powered platform that analyzes global talent data



New roles: Example Workforce Transformation Team

Data Analyst, Product Owner, Transformation Designer, Workforce Transformation Consultant: Skill development, clear responsibilities

"Superworker" & AI (Augmentation)

Greater productivity, creativity, performance, responsibility: Al empowers

Stronger focus on tasks

Jobs → Tasks → Workflows → Al agents: Business reengineering – the basis for controlled automation

Trend: Job/work architecture

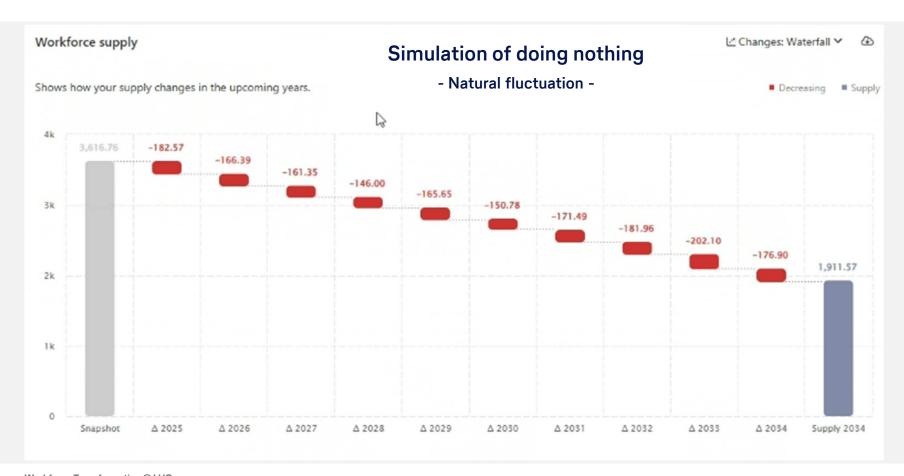
Broader profiles, focus on responsibility rather than skills, more self-determination for BUs/managers, but different systematics simultaneously => Example: S4HANA implementation

Personnel development

Dynamic, personalized: microlearning and modular approaches, talent marketplaces and coaching, capability academies for strategic skills

^{*} Microsoft's Al Product Lead Says Agents Could Kill the Org Chart - Business Insider

Al-Tools | Simulation of workforce: Supply

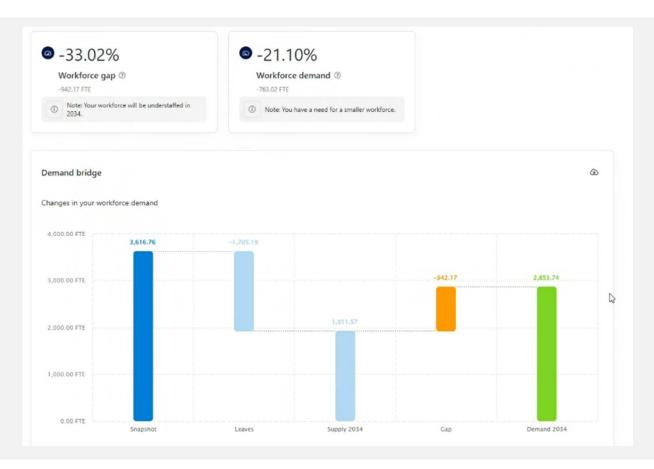


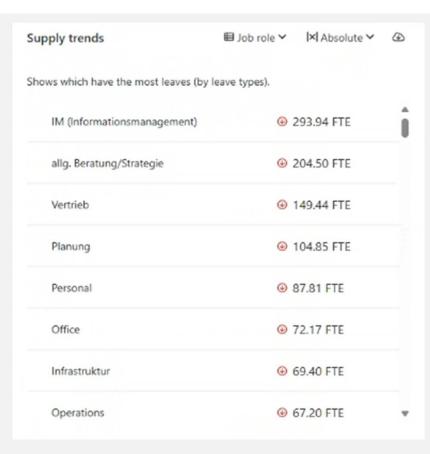
Al-Tools | Simulation of workforce: Leave risks





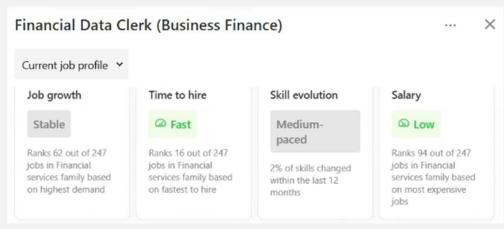
Al-Tools | Simulation of workforce: Supply and Demand





Al-Tools | Global Labor Market Data provides important insights for recruiting of Job-Roles as well as for hiring locations

Development of dedicated Job-Roles and recruiting locations



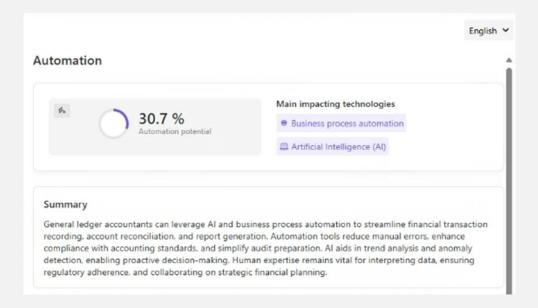


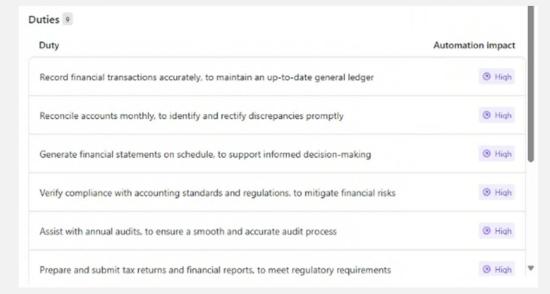




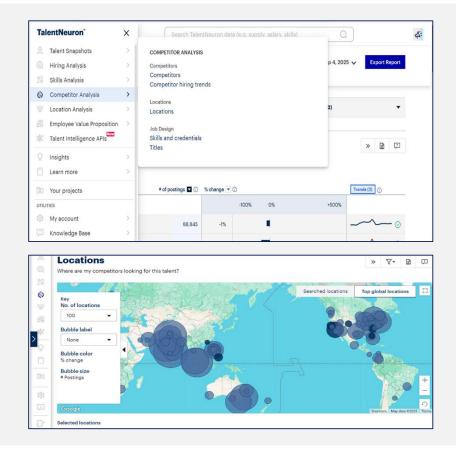
Al-Tools | Global Labor Market Data provides important insights for specific job-roles

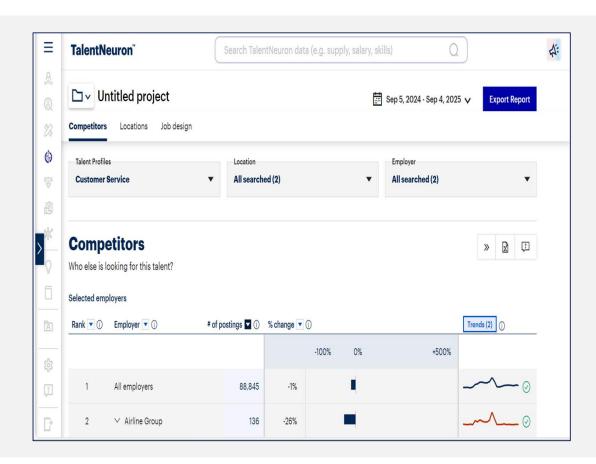
Development in Automation and Duties for dedicated Job-Roles - General ledger Accountant -





AI-Tools | Competitor Analysis tracks competitors' hiring activity, geographic expansion, and in-demand skills to benchmark your talent strategy





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Business Drivers and right questions | Goal: Data Based Decision Making to design the future workforce for stable business

Business goals & drivers:

- Corporate Strategy
- Shrinking or increasing business
- Build-up new production line or closing production line in ...
- Set-up new sales offices in ...
- New Technology
- Digital Transformation
- Skill-Gaps

What influence our business? Which drivers must be monitored? (ecosystem)

What are the

core questions

for a stable

business and

workforce?

(Whom) should I reskill to avoid costly lavoffs?

How many employees will be retiring within the next 5 years?

What **skills** will my employees need to learn now to be future-ready?

Is it worth targeting let go at other companies?

Which recruiting bottlenecks will become apparent in 3 years?

Is my comp & ben package competitive enough?

employees who are being

To which location should Loffshore?

Tools and activities:

- Labor Market Intelligence
- Strategic Workforce Planning
- Skill Management/-Matching
- Competitor Listening
- Location Analytics
- Demography Analysis
- Workforce Scenario Modelling
- Loss Rate Simulations

Conclusion Finaly: SWM is not a "nice-to-have" but a "must-have" critical success factor for the future sustainability of companies

Only those who identify risks

at an early stage,
develop skills in a targeted manner,
and respond with flexibility
to market changes
will remain competitive.



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Q&A

Q & A | How does the Strategic Workforce Management with Al look in 3-5 years? Just with simple prompts: ...

- > ...SWP tools autonomously analyze complex business models and the multitude of influencing factors...?
- > ...Al develop independently scenarios and identifying potential risks...?
- > ...Al generate ideas for skill requirements and propose solutions to close skill gaps across different scenarios and operating models...?



Strategic Workforce Management

Referent



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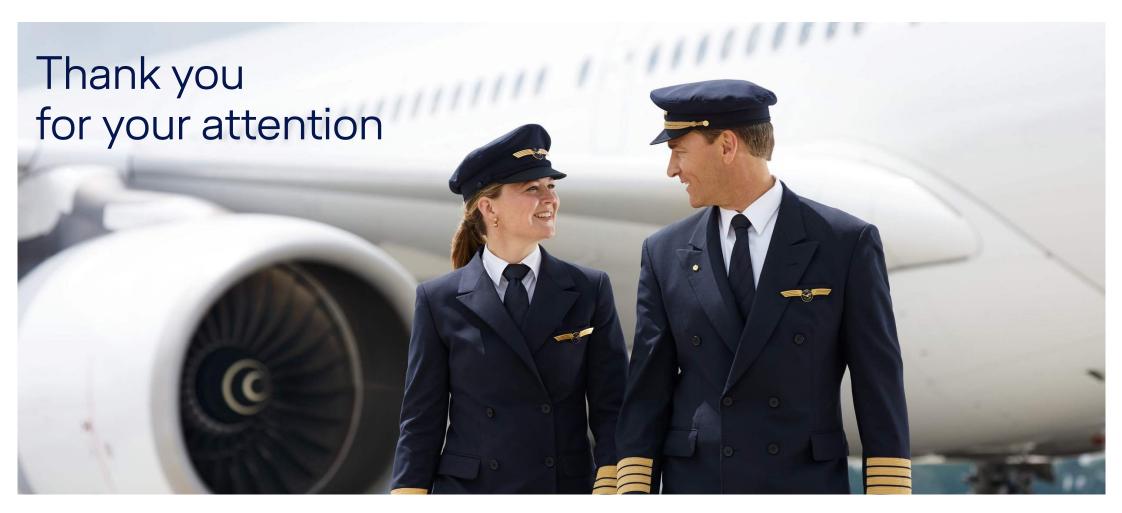
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