



# AI Job Risk Report Luxembourg

Which occupations AI is reshaping — and which stay human

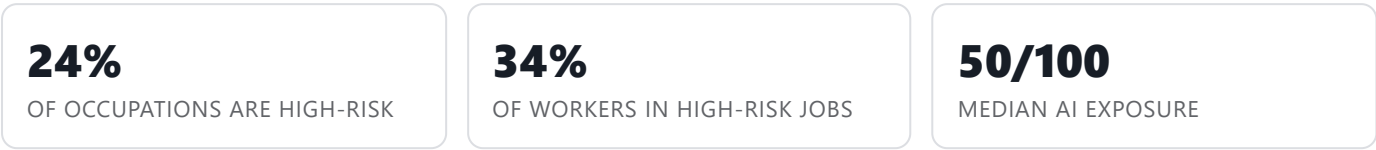
34% of Luxembourg's covered workforce is employed in occupations with high AI task exposure.

|                                       |                                                 |                                                 |                                                 |
|---------------------------------------|-------------------------------------------------|-------------------------------------------------|-------------------------------------------------|
| <div>427</div> <div>OCCUPATIONS</div> | <div>276,907</div> <div>WORKFORCE COVERED</div> | <div>50/100</div> <div>MEDIAN AI EXPOSURE</div> | <div>24%</div> <div>HIGH-RISK OCCUPATIONS</div> |
|---------------------------------------|-------------------------------------------------|-------------------------------------------------|-------------------------------------------------|

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# Executive summary

Across 427 occupations covering 276,907 workers in Luxembourg, median AI exposure is 50/100. 24% of occupations — and 34% of workers — fall in the high-exposure band.



## Most exposed areas

- Business, Finance & Legal
- IT & Digital
- Education & Community

## Most resilient areas

- Trades & Construction
- Agriculture & Environment
- Transport, Logistics & Mining

**Risk & pay:** Official pay is not published at this occupational granularity for Luxembourg, so pay-vs-risk analysis is omitted in this edition.

**What to watch:** Entry-level and routine administrative tasks are narrowing fastest; client-facing, accountability and hands-on work remain the human moat.

## How to read this report

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Every occupation is scored on how much of its work generative AI can touch, and how much of it stays hard for AI to do. Four ideas run through the report:

- **AI exposure** — how much of the day-to-day tasks AI can already perform.
- **Automation pressure** — how likely those tasks are to be automated in practice.
- **AI augmentation** — where AI makes the worker faster rather than redundant.
- **Job displacement risk** — the combined pressure on the *number* of jobs.

**A risk score is not a probability that a job disappears.** It is a composite of the occupation's task structure, how automatable those tasks are, workforce demand, and the human moat. High exposure often means AI *augments* the role, not that it vanishes.

# Luxembourg labour-market snapshot

|                       |         |
|-----------------------|---------|
| Occupations analysed  | 427     |
| Workforce covered     | 276,907 |
| Median AI exposure    | 50/100  |
| High-risk occupations | 24%     |
| High-risk workforce   | 34%     |
| Data year             | 2025    |

Luxembourg has a median AI exposure of 50/100. High-exposure work is concentrated in business, finance & legal and adjacent groups, while trades & construction stays most resilient.

|                       |             |                   |                       |             |                       |                    |                   |
|-----------------------|-------------|-------------------|-----------------------|-------------|-----------------------|--------------------|-------------------|
| General Office Clerks | Accountants | Managing Director | Shop Sales Assistants | Shopkeepers | Nursing Professionals | Specialist Medical | Nursing Associate |
|-----------------------|-------------|-------------------|-----------------------|-------------|-----------------------|--------------------|-------------------|



- The largest tiles — Business, Finance & Legal and related groups — carry above-median exposure.

- Explore the interactive version at <https://aijobriskmap.com/country/luxembourg/>.

# Risk distribution

Two views tell different stories: how risk spreads across *occupations*, and across *people employed*.

## By occupation count

|        |     |
|--------|-----|
| High   | 24% |
| Medium | 38% |
| Low    | 39% |

## By workforce

|        |     |
|--------|-----|
| High   | 34% |
| Medium | 49% |
| Low    | 16% |

Median exposure 50/100 · quartiles Q1 29 / Q3 68. Occupation-count and workforce shares differ because high-employment jobs are not evenly spread across risk bands.

## Highest-risk occupations

Ranked by AI task exposure. The right column shows tasks AI is most likely to take over.

| #  | Occupation                                        | Risk | Workforce | Main exposed tasks                                                                                                                                                                                                        |
|----|---------------------------------------------------|------|-----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1  | Data Entry Clerks                                 | 98   | 1,904     | Manually enter data from paper or electronic documents into databases or spreadsheets; Check format and basic accuracy of input data                                                                                      |
| 2  | Typists and Word Processing Operators             | 96   | 442       | Generating documents via speech recognition and automatic transcription; Use templates and AI tools to batch create standardized reports and letters                                                                      |
| 3  | Accounting and Bookkeeping Clerks                 | 95   | 387       | Automatically classify and enter transaction data; Automated reconciliation and variance report generation                                                                                                                |
| 4  | Statistical, Finance and Insurance Clerks         | 95   | 230       | Extracting and entering data from formatted tables or documents; Preliminary review and basic information verification of insurance claims                                                                                |
| 5  | Financial Analysts                                | 94   | 1,983     | Automatically generate periodic financial reports and market briefs; Basic data cleaning, standardization, and visualization                                                                                              |
| 6  | Securities and Finance Dealers and Brokers        | 94   | 703       | Automatically execute stock, bond, and commodity orders through algorithms, no manual order placement; AI automatically generates market analysis reports and investment briefs                                           |
| 7  | Clerical Support Workers Not Elsewhere Classified | 94   | 314       | Manual data entry and copy-paste operations; Document Classification, Filing, and Retrieval                                                                                                                               |
| 8  | General Office Clerks                             | 93   | 9,225     | Manual data entry: OCR and automated form parsing can directly extract information without manual typing; Paper file archiving; Automatic classification, tagging, and storage via electronic document management systems |
| 9  | Credit and Loans Officers                         | 93   | 1,469     | Automatically extract and verify income and asset information from loan applications; Rule engine-based preliminary credit scoring and risk classification                                                                |
| 10 | Contact Centre Salespersons                       | 93   | 207       | AI auto-dials and screens potential customers (reduces manual outbound calls); Real-time recommendation of optimal scripts/products based on customer data analysis                                                       |
| 11 | Personnel Clerks                                  | 93   | 118       | Employee file data entry and updates; Standard recruitment notices and onboarding document generation                                                                                                                     |
| 12 | Payroll Clerks                                    | 93   | 54        | Attendance data entry and work hour calculation; Single Touch Payroll (STP) data auto-reporting                                                                                                                           |
| 13 | Web and Multimedia Developers                     | 93   | 1,180     | Repetitive UI component writing and style debugging; CRUD code generation for standard REST APIs                                                                                                                          |
| 14 | Advertising and Public Relations Managers         | 92   | 80        | Automatically generate standardized press releases and social media posts; Analyze advertising performance data and generate reports                                                                                      |
| 15 | Translators, Interpreters and Other Linguists     | 92   | 150       | Standard conference interpreting (e.g., business negotiations); Simple telephone interpreting or community interpreting                                                                                                   |

| #  | Occupation                        | Risk | Workforce | Main exposed tasks                                                                                                                  |
|----|-----------------------------------|------|-----------|-------------------------------------------------------------------------------------------------------------------------------------|
| 16 | Secretaries (general)             | 91   | 948       | Automated meeting schedule coordination and conflict detection; Call screening and standard response generation                     |
| 17 | Bank Tellers and Related Clerks   | 91   | 365       | Standard transaction processing such as cash deposits, withdrawals, and transfers; Account inquiry and balance reconciliation       |
| 18 | Contact Centre Information Clerks | 91   | 169       | Answer standard FAQ questions (e.g. account balance, business hours); Handling simple order changes, returns, and exchange requests |

## Most AI-resilient occupations

Lower task exposure and a stronger human moat. Resilient, not "AI-proof".

| Occupation                                                     | Risk | Workforce | Human moat                                                                                                                                                                                                                                                         |
|----------------------------------------------------------------|------|-----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Craft and Related Workers<br>Not Elsewhere Classified          | 4    | 13        | Highly customized artistic creation and aesthetic judgment; Experience and tactile feel of handling rare materials                                                                                                                                                 |
| Bricklayers and Related<br>Workers                             | 6    | 1,179     | Complex irregular masonry (curved, hollow, historical building restoration) cannot be standardized; Flexible operation in unstructured environments such as bad weather and confined spaces                                                                        |
| Painters and Related<br>Workers                                | 6    | 721       | Fine manual skills (e.g., French polishing, wood staining cannot be fully automated); On-site adaptability (handling irregular surfaces and unexpected issues)                                                                                                     |
| Window Cleaners                                                | 7    | 7         | Handle emergency situations in complex high-altitude work; Fine cleaning of antiques or special material windows                                                                                                                                                   |
| Domestic Cleaners and<br>Helpers                               | 7    | 1,132     | Fine manual cleaning (e.g., antiques, silk, and other special materials); Building long-term trust relationships and personalized services with employers                                                                                                          |
| Kitchen Helpers                                                | 7    | 187       | Adaptability in emergency situations; Sensory assessment of ingredient quality                                                                                                                                                                                     |
| Floor Layers and Tile<br>Setters                               | 7    | 108       | Manual cutting and fine placement in irregular areas and corners; Removal of old flooring, base treatment, and leveling judgment for uneven floors                                                                                                                 |
| Mining and Quarrying<br>Labourers                              | 7    | 95        | Emergency judgment in complex geological environments; On-site coordination for collaborative operation of multiple devices                                                                                                                                        |
| Concrete Placers,<br>Concrete Finishers and<br>Related Workers | 7    | 37        | Manual finishing of complex curves, artistic shapes, or special textures; Making real-time decisions on unpredictable construction sites                                                                                                                           |
| Potters and Related<br>Workers                                 | 8    | 57        | Irreproducible personal style and artistic expression in handmade pottery; Ability for manual adjustments to handle customized, non-standard requirements                                                                                                          |
| Structural Metal Preparers<br>and Erectors                     | 8    | 61        | Physical operation and assembly in complex construction site environments; Flexible judgment for handling non-standard or damaged materials                                                                                                                        |
| Glass Makers, Cutters,<br>Grinders and Finishers               | 8    | 21        | Art carving and manual finishing: unique patterns, engraving, etc. rely on creativity and manual dexterity, difficult to automate; On-site installation and repair: architectural glass must adapt to site conditions, requiring flexible adjustments and judgment |
| Vehicle Cleaners                                               | 8    | 84        | Fine interior cleaning: handling special materials such as leather, fabric, and electronic screens; Odor treatment: requires experience to identify pollution source and choose appropriate method                                                                 |
| Fishery and Aquaculture<br>Labourers                           | 9    | 51        | On-site response capability for sudden equipment failures, extreme weather, and other abnormal conditions; Manual experience-based judgement of fish and shrimp behaviour and health (e.g., abnormal swimming, colour changes)                                     |
| Lifting Truck Operators                                        | 9    | 142       | Precision handling of unstable cargo or non-standard items; Manual Judgment and Adjustment in Confined or Cluttered Environments                                                                                                                                   |

| Occupation                                                 | Risk | Workforce | Human moat                                                                                                                                   |
|------------------------------------------------------------|------|-----------|----------------------------------------------------------------------------------------------------------------------------------------------|
| Cement, Stone and Other Mineral Products Machine Operators | 10   | 60        | Quick diagnosis and repair of on-site sudden faults; Experience with special materials (e.g., irregular stone) in craftsmanship              |
| Stonemasons, Stone Cutters, Splitters and Carvers          | 10   | 46        | Artistic judgment for complex stone carving and hand modeling; Adaptive skills for integrated on-site stone and structure installation       |
| Ships' Deck Crews and Related Workers                      | 10   | 28        | Rapid decision-making and team coordination skills in emergency situations; Complex manual operations, such as cable mooring and maintenance |

## Risk by occupational group

| Group                               | Median risk | High-risk % | Workforce |
|-------------------------------------|-------------|-------------|-----------|
| Business, Finance & Legal           | 82          | 77%         | 68,377    |
| IT & Digital                        | 78          | 74%         | 17,171    |
| Education & Community               | 62          | 29%         | 50,018    |
| Government & Public Sector          | 60          | 33%         | 5,339     |
| Engineering & Infrastructure        | 56          | 22%         | 27,213    |
| Creative, Media & Personal Services | 50          | 17%         | 13,957    |
| Healthcare & Care                   | 50          | 10%         | 26,200    |
| Hospitality, Retail & Tourism       | 42          | 15%         | 29,985    |
| Transport, Logistics & Mining       | 40          | 10%         | 11,067    |
| Agriculture & Environment           | 34          | 0%          | 7,342     |
| Trades & Construction               | 21          | 0%          | 20,238    |

## Tasks AI is likely to automate

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Representative automatable tasks drawn from the most-exposed occupations. Tasks are an occupation-level characteristic, shared across countries.

**Data Entry Clerks**

**Typists and Word Processing Operators**

**Accounting and Bookkeeping Clerks**

**Statistical, Finance and Insurance Clerks**

**Financial Analysts**

**Securities and Finance Dealers and Brokers**

**Clerical Support Workers Not Elsewhere Classified**

**General Office Clerks**

**Credit and Loans Officers**

**Contact Centre Salespersons**

## Human advantages

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What still needs people, even in the most-exposed occupations — the balance to the risk numbers above.

**Data Entry Clerks**

**Typists and Word Processing Operators**

**Accounting and Bookkeeping Clerks**

**Statistical, Finance and Insurance Clerks**

**Financial Analysts**

**Securities and Finance Dealers and Brokers**

**Clerical Support Workers Not Elsewhere Classified**

**General Office Clerks**

**Credit and Loans Officers**

**Contact Centre Salespersons**

## Career transition opportunities

Adjacent, more-resilient roles for people in exposed occupations. Detailed transition plans live on the occupation pages.

| Exposed occupation                                | Adjacent, more-resilient roles                                                                                          |
|---------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------|
| Data Entry Clerks                                 | Filing and Copying Clerks · Accounting and Bookkeeping Clerks · Typists and Word Processing Operators                   |
| Typists and Word Processing Operators             | Data Entry Clerks · Administrative and Executive Secretaries · Coding, Proofreading and Related Clerks                  |
| Statistical, Finance and Insurance Clerks         | Statistical, Mathematical and Related Associate Professionals · Financial Analysts · Accounting Associate Professionals |
| Clerical Support Workers Not Elsewhere Classified | Policy and Planning Managers · Government Social Benefits Officials · Policy Administration Professionals               |
| General Office Clerks                             | Office Supervisors · Data Entry Clerks · Filing and Copying Clerks                                                      |
| Contact Centre Salespersons                       | Commercial Sales Representatives · Contact Centre Information Clerks · Insurance Representatives                        |
| Advertising and Public Relations Managers         | Advertising and Marketing Professionals · Sales and Marketing Managers · Management and Organization Analysts           |
| Secretaries (general)                             | Administrative and Executive Secretaries · Legal Secretaries · Office Supervisors                                       |
| Bank Tellers and Related Clerks                   | Credit and Loans Officers · Financial and Investment Advisers · Insurance Representatives                               |
| Contact Centre Information Clerks                 | Inquiry Clerks · Contact Centre Salespersons · Client Information Workers Not Elsewhere Classified                      |
| Scribes and Related Workers                       | Typists and Word Processing Operators · Data Entry Clerks · Coding, Proofreading and Related Clerks                     |
| Financial and Investment Advisers                 | Financial Analysts · Securities and Finance Dealers and Brokers · Finance Managers                                      |

# What workers can do

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## Next 30 days

- Map which of your weekly tasks are most exposed to AI.
- Start using an AI assistant on one recurring task and measure the time saved.

## Next 6 months

- Shift effort toward client-facing, judgement and accountability work.
- Earn a recognised credential in your field or an adjacent one.

## Next 2 years

- Move toward an adjacent, more-resilient role (see chapter 13).
- Build a verifiable portfolio of outcomes AI cannot claim on its own.

# Outlook & scenarios

Rather than a single prediction, we model three AI-adoption scenarios for job displacement by 2030 across Luxembourg's covered workforce.

|                                                                     |                                                                  |                                                                     |
|---------------------------------------------------------------------|------------------------------------------------------------------|---------------------------------------------------------------------|
| <div>CONSERVATIVE</div> <div>5,182</div> <div>2% of workforce</div> | <div>BASELINE</div> <div>10,387</div> <div>4% of workforce</div> | <div>ACCELERATED</div> <div>22,838</div> <div>8% of workforce</div> |
|---------------------------------------------------------------------|------------------------------------------------------------------|---------------------------------------------------------------------|

Scenario estimates, not forecasts. They express how much of the theoretically-automatable exposure converts to job loss under slow, central and fast adoption — the true path depends on policy, investment and job creation this figure does not net out.

## Methodology

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- **AI exposure** — generative-AI task-exposure percentile (ILO Working Paper 140, calibrated with Eloundou et al.), mapped to occupations.
- **Occupation classification** — ISCO-08.
- **Workforce & pay** — Luxembourg official statistics office; official pay not published at this granularity for Luxembourg — pay-based sections are omitted.
- **Displacement scenarios** — workforce × exposure × automation share × realisation rate (low/mid/high).
- **Tasks, human moat & adjacent roles** — occupation-level AI analysis, shared across countries by occupation code.
- **Cross-country comparability** — classification and pay years differ by country; compare within a country first.

Version 2026.1 · missing values are left blank rather than imputed.

## Sources & citation

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- Luxembourg official statistics office
- ILO Working Paper 140 — Generative AI and Jobs: A Refined Global Index of Occupational Exposure.
- Eloundou et al. (2023) — GPTs are GPTs: labor-market impact potential of LLMs. [arxiv.org/abs/2303.10130](https://arxiv.org/abs/2303.10130)

### Suggested citation

AI Job Risk Map (2026). AI Job Risk Report: Luxembourg 2026. <https://aijobriskmap.com/reports/luxembourg/>

## Appendix

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The full occupation-level dataset for all countries — one row per occupation with exposure, pay, workforce and displacement scenarios — is available for download:

<https://aijobriskmap.com/dataset.csv> (CSV, CC BY 4.0)

### Risk bands

- High: exposure 70–100
- Medium: 40–69
- Low: 0–39

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