

FUTURE OF WORK IS NOW ... AND WE BETTER DO SOMETHING ABOUT IT!

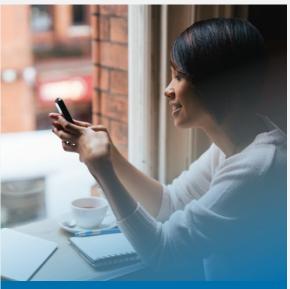
May 2019, Erik Staffeleu

Future of Work: A tale of four interrelated transformations



MACRO-LEVEL CHANGE

- **Technological Transformation**
- AI / Automation next frontier for digital transformation
- New sources of value-creation
- Accelerating speed of adoption



Societal Transformation

- Labour market impact
- Unequal distribution of wealth
- Social mobility and stability

FIRM-LEVEL CHANGE



Human Transformation

- Shift in the mix of occupations & job migration
- Massive change in skill requirements
- Mindset change in management and development of people



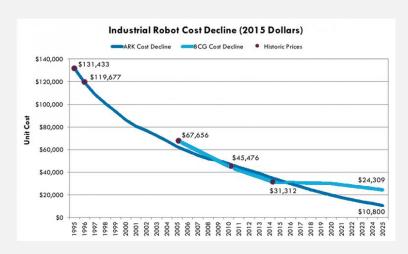
Organizational Transformation

- Distributed intelligence: man/ machine
- New ways of organizing work
- Adaptation of organizational structures

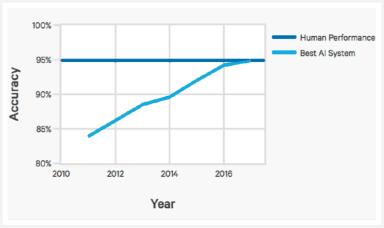
From a technological transformation perspective, costs 🤝 are decreasing while performance is increasing



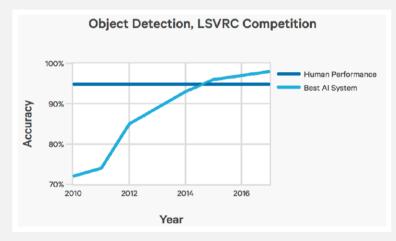
Industrial robots' costs are fast declining while flexibility is increasing



Performance of AI systems to recognize speech from audio calls is now on par with humans



Performance of AI systems in visual object detection is now better than human performance



Buyers of the Bots¹:

- China (30%)
- South Korea (14%)
- Japan (13%)
- USA (10%)
- Germany (7%)

Conversational Speech Recognition²:

- Switchboard HUB 5'00 Data Set
- Word error rate (WER)
- 5.1% WER is the bar for human performance

Object Detection³:

- Error rates for image labelling have fallen from 28.5% to below 2.5% since 2010
- LSVRC Competition: Large scale visual recognition challenge

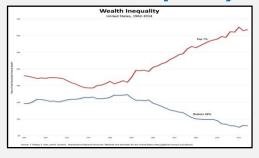
Thereby, technological progress is creating unprecedented societal challenges



Job Displacement



Wealth Inequality



Security



- Increasing labour productivity
- High unemployment risks for non-skilled routine workers and those with lower level of education
- High percentage of households with a falling income
- Enlarged financial gap between the richest and the poorest

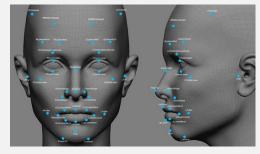
Data/Algorithm Biases



Wage distribution



Privacy



Key implications for the Future of Work



Speed of adoption of AI/ Automation Technologies is critical(transition risk)



Impact on jobs/work



Continuing shift from labour to capital





WITH GREAT POWER COMES GREAT RESPONSIBILITY

Some strong underlying trends for the future of the human work







Workforce migration will require a big mindset shift in how we reskill and develop people...

	Human-centric Workforce Transition			
Learning & Development	Degree/ Qualification	VS	Lifelong/ Continuous Learning	
	Specialization	VS	Hybridization (e.g. Marketing + AI)	
	Training curricula	VS	Mass-Reskilling infrastructure	
	Functional Content	VS	Human-intelligence based (e.g. creativity)	
	Planned/ Supervised learning	VS	Self-directed Learning	
HR/L&D Operations	HR Management	VS	Strategic workforce planning	
	Standard sourcing	VS	Diversity sourcing	
	Employee history	VS	People Analytics	
	Appraisal/ Development Plan	VS	Personal learning journeys	
	Full time employee focus	VS	Flexible capacity e.g. contingent workers	

Workforce transition has many flavours: Skills are the genome of work and key to future job migration



Existing workforce skilling options



Learn new skills or technologies within a similar job (Upgrading)



Side-skilling

Redefining / complementing skills to shift to new types of jobs (Job migration)



Complementing existing skills with new ones to be able to perform several jobs (Flexibility) perform several



Skills no longer required with low reskilling potential -Dismissal, voluntary redundancy, natural attrition, retirement...(Exit or build flexi-force)

External talent acquisition options



Acquire individuals to match specific skills requirements



Acquire teams or buy small companies to access specific and rare skills

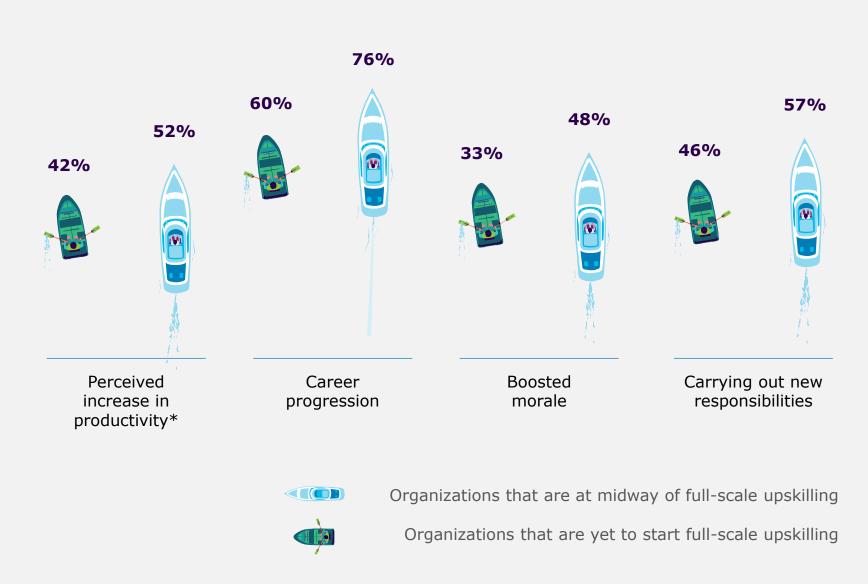


Access to known contractors. freelancers and/or exemployees on a regular basis as flexible workforce extension



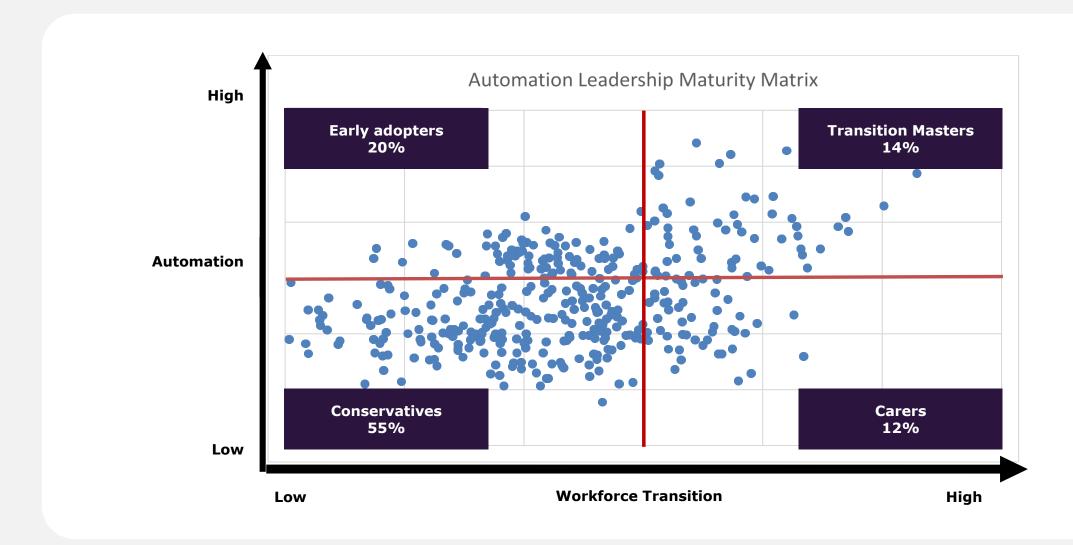
Ad-hoc on-demand access to external workers such as contractors, freelancers or temporary workers

Upskilling is worth it!





However, the majority has not started their automation and upskilling initiatives yet



We have seen that successful Transition Masters share 4 key aspects





Transition Masters quantify the impact of automation on the Workforce and predict the future...



We quantify the impact of automation on our Workforce.



We continuously monitor industry and technology trends to plan future skill requirements.



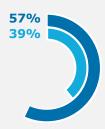
We closely collaborate with business stakeholders on **predicting future demand for skills** due to automation.





...concentrate on building future relevant competencies





I have acquired skills that will make me **more employable** in the job market.

I can use the newly acquired skills to handle my tasks more efficiently.

60%

Of the Transition Masters noticed that employees are already able to **carry out new responsibilities.**

78%

Of the Transition Masters succeed at equipping employees with **future relevant competencies** to stay relevant in an automated world.





...set up partnerships and timely run pilots to implement relevant skilling programs

Learner-centric means...

... Deliver **relevant** skilling programs.



Our employees evaluate our current **skilling programs** as relevant.

... **Integrate** employees in (further) developing the skilling initiatives.



We have already run a **pilot of skilling initiatives** considering automation.

... **Rapidly deliver** skilling offers.



We have already set up **infrastructures and partnerships** for the skilling programs.





...regularly communicate and have clear responsibilities for their upskilling initiatives



51% 15%

Our leadership **frequently communicates** with Workforce representatives on **automation initiatives**.

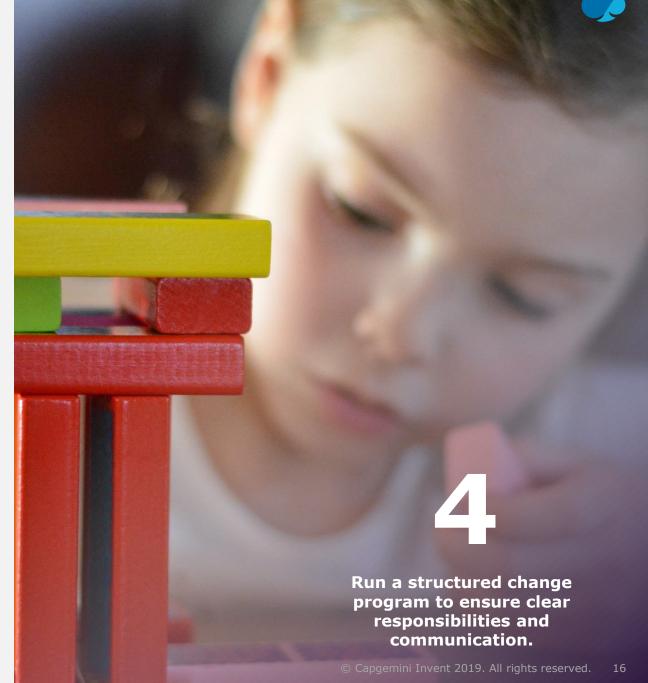


We have dedicated **roles and teams in HR** to take care of upskilling, multi-skilling, outplacement etc.

Our leadership frequently communicates with Workforce representatives on organization's initiatives for skilling employees.

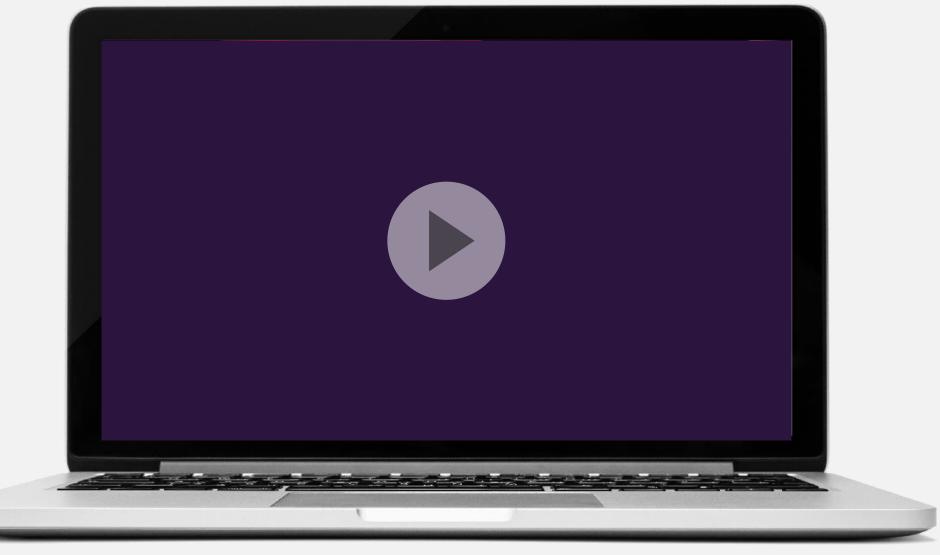


We have appointed a **leader** responsible for skilling the Workforce to adapt to automation.



AT&T entering the final straight to become a Transition 💎 Master







YES, EXCESSIVE AUTOMATION AT TESLA WAS A MISTAKE. TO BE PRECISE, MY MISTAKE. HUMANS ARE UNDERRATED.

Elon Musk in a CBS interview on the delays in manufacturing of Tesla's model 3 sedan.



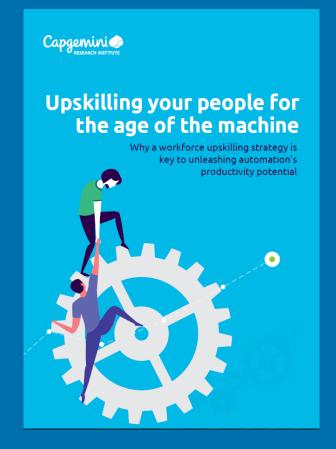






Erik Staffeleu
Practicelead People & Organization
Netherlands

+31 620400991 erik.staffeleu@capgemini.com



















People matter, results count.

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Visit us at

Make your workforce transition a success with us



We enable our clients to make **data-driven decisions** on their **technology and people strategy** while considering local data regulations.



With a **network of technology and industry experts**, we **validate our clients' transformation** agenda based on industry trends and market needs.



Together with our clients we analyze key stakeholders early in the process and **set up a governance** that ensure **fast decision-making** and project progress.

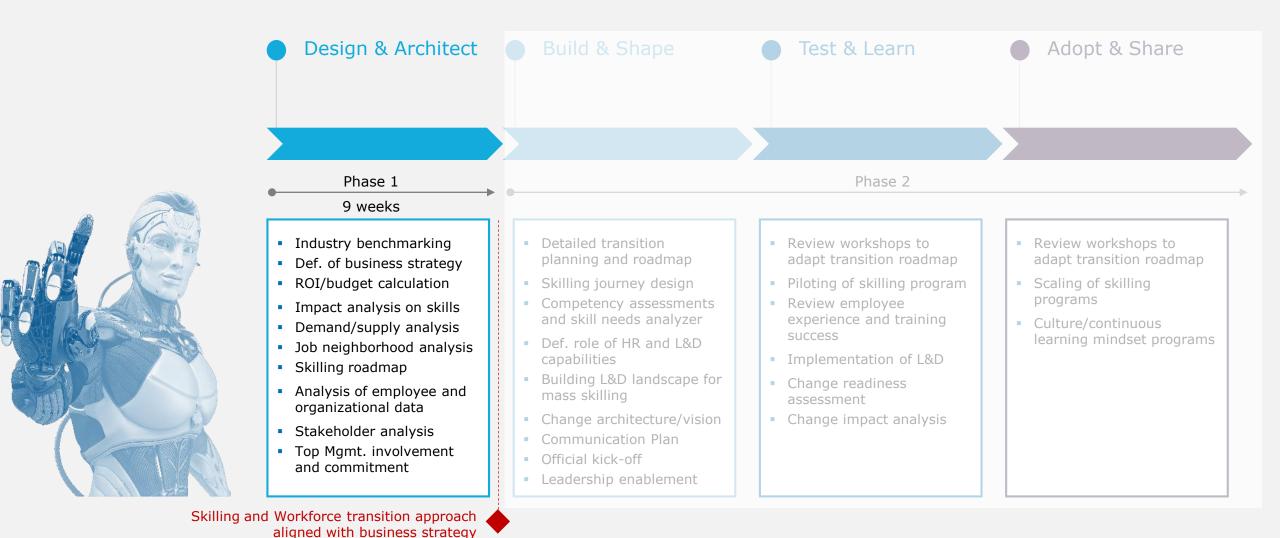


We help our clients to align their technology and people initatives, involve top management, and create HR buy-in.



We follow a human-centered and iterative approach to successfully master the workforce transition





How to get started? Develop a people business case!





- **Alignment** with key stakeholders on scope and data structure
- Collection and evaluation of HR data maturity
- Analysis of **Automation/Digital Transformation Maturity** (interview-based)
- **Definition of project governance** and working principles

- **Job role comparison** with O*NET role database (skills, work activities, work context)
- Mapping and assignment of job **roles** and the respective employees
- **Tool-based analysis** and comparison with industry trends/ customer expectations
- **Interpretation and evaluation** of results incl. job role revision
- Derivation and validation of first results on tech and workforce impact
- Derivation of fields of action for the transformation based on cost/budget and workforce impact
- **Prioritization** of initiatives in Top Mgmt. workshop(s)

- Alignment and **prioritization** of action plan with executive team
- **Business strategy** review
- **Target picture mapping** and concept development for 4 weeks discovery phases on
 - Technology strategy
 - Org. Design
 - Workforce
 - Learning

Critical success factor:

- Top Mgmt. sponsorship
- HR buy-in and L&D involvement

Critical success factor:

Participation of responsible employees for role mapping and approval

Critical success factor:

Top Mgmt./ executive team participation

Critical success factor:

Executive team commitment

How we gather insights? We use Faethm to identify key technologies and analyse their impact



Globally unique SaaS platform launched in October 2017

Vision

Providing a tool for everyone to understand the supply and demand of jobs and skills in the future to structure, size and equip their workforces for the work and opportunities that new technologies create.

Mission

Be the world's data source for the the Fourth Induustrial Revolution and the Future of Work.

Industries

- · Finanical Services · Heavy Manfacturing
- · Healthcare · Food & Beverages · Energy
- · Professional Services · Construction
- · Technology · Airlines · Mining · Retail
- · Media · Automotive · Education
- · Charity · Telecoms · Government

Achievement

16th company globally (2nd in Asia, 1st in Australia) to be invited to be a Member of the World Economic Forum's Centre for the Fourth Industrial Revolution.



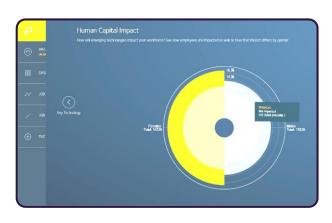
The tool outlines employees that will be impacted most > by technology adoption

People Impact Analysis

Our insights allow companies to stay ahead of the automation impacts by ...

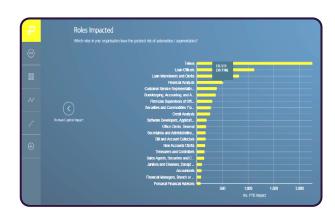
... preparing employees for change!

- Identify employees and communities at risk
- Prepare for potential public relations effects
- Manage communications about tech driven-change



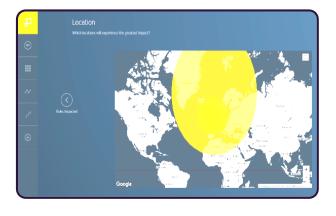
... recruiting for the future!

- Identify highly impacted roles and deprioritize recruiting
- Focus hiring efforts in teams and roles with longevity
- Start planning for redeployment with the Job Corridor



... creating location strategies!

- Identify the locations with the largest impacts
- Determine relocation opportunities
- Procure the right real estate for future needs



The tool enables for scenario planning and delivers organizational-specific predictions



Technology Automation Roadmap

Build a business case for investment

- Discover **cost savings** from implementing technology within your company
- Identify business units with the greatest **potential** for automation
- Target technologies for **investment**
- Create a roadmap with **financial impacts** over time

Validate roadmaps

- **Scenario model** and assess the impacts of planned technology implementation
- Validate existing financial forecasts
- View entire technology landscape and **reprioritize deployment** plans accordingly
- **Plan and budget** the operational and organizational aspects of transformation
- Identify how your company will **respond to the acceleration** of tech innovation

