

HEADCOUNT DATA OF IT AND BUSINESS SERVICES COMPANIES IN KRAKÓW

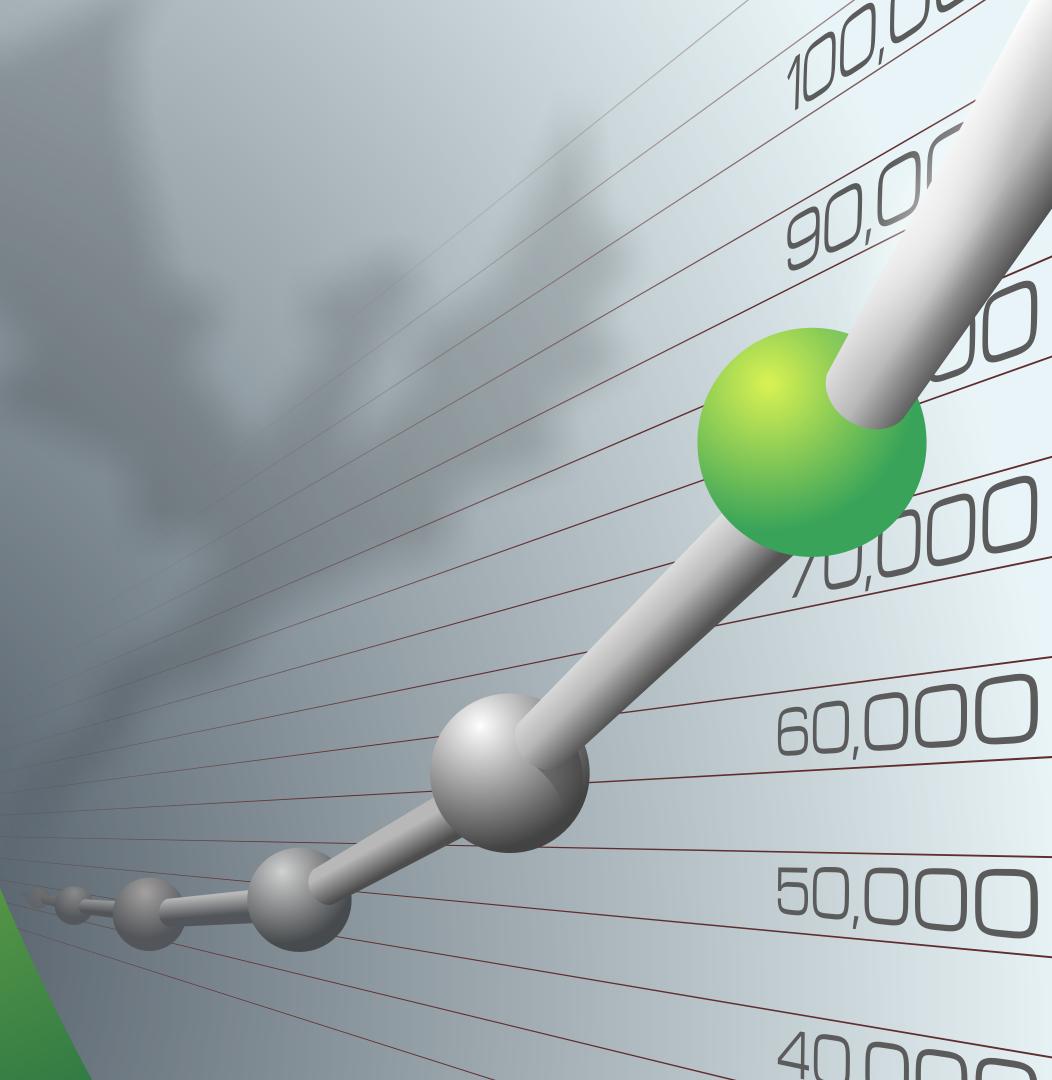




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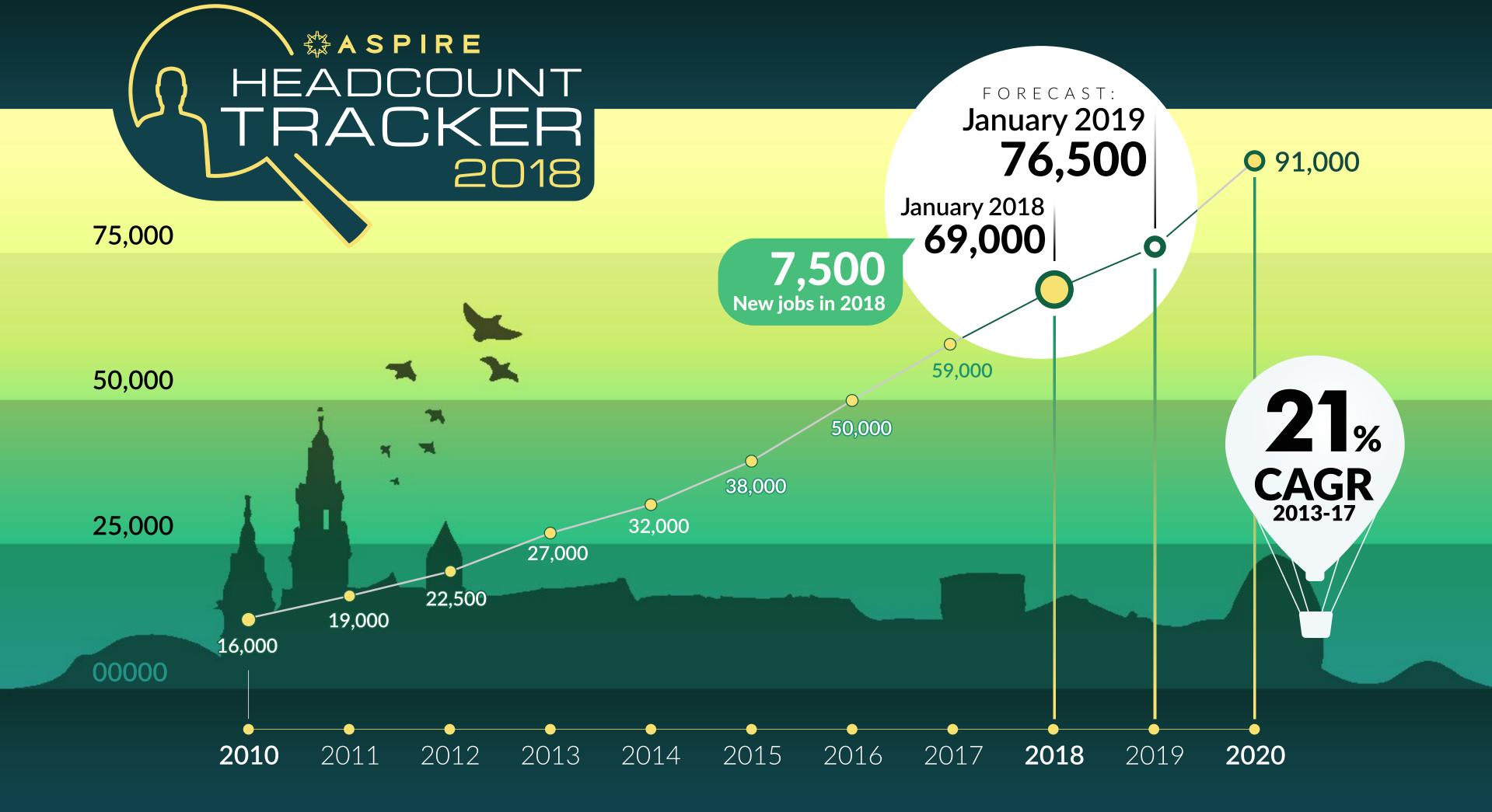


HEADCOUNT 69,000 76,500 FORECAST FOR JANUARY 1ST 2018

IT & BUSINESS SERVICES COMPANIES IN KRAKÓW

NEW JOBS IN 2018

NEW JOBS EVERY DAY





Actuals at January 1st 2018

Total headcount

Total new jobs created in 2017

Average headcount per company

Median headcount

Compound Annual Growth Rate 2013-2017

68 949

8 922

213

20.6%

EXECUTIVE SUMARY

Forecasts

Total headcount at January 1st 2019	76 372
% annual growth in 2018	10.6%
Median headcount	65
Total new jobs in 2018	7 423
Average new jobs per day in 2018*	20
Average annual new jobs per company in 2018	23
Compound Annual Growth Rate 2014-2018	19%
Forecast for January 1st 2020	91 035

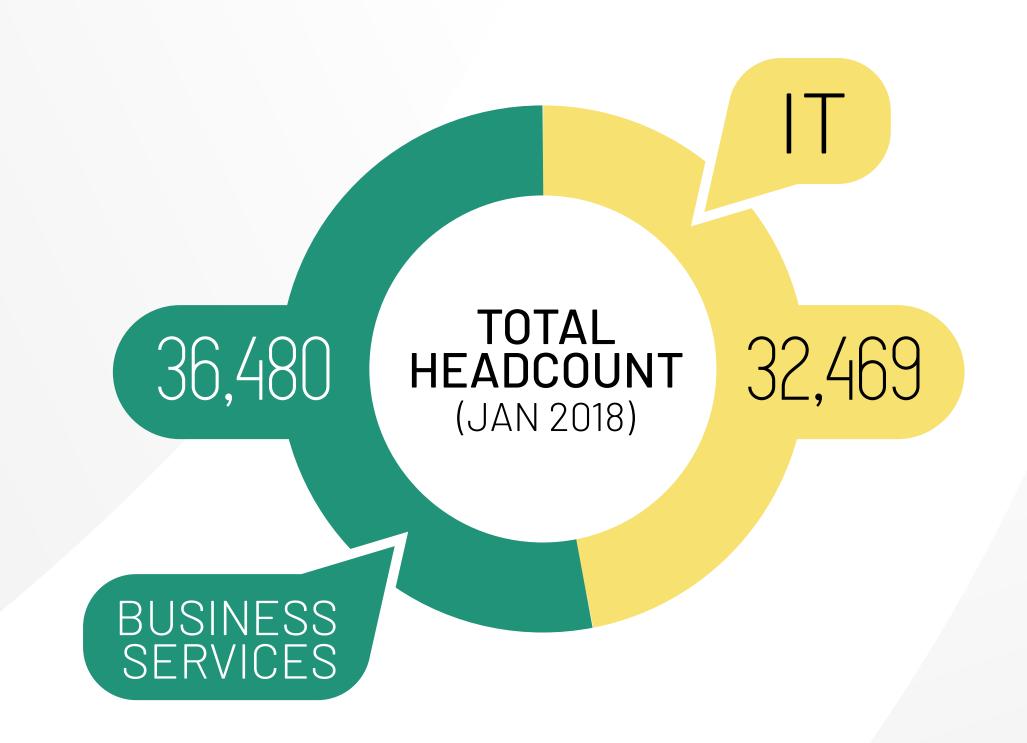






HEADCOUNT SPLIT

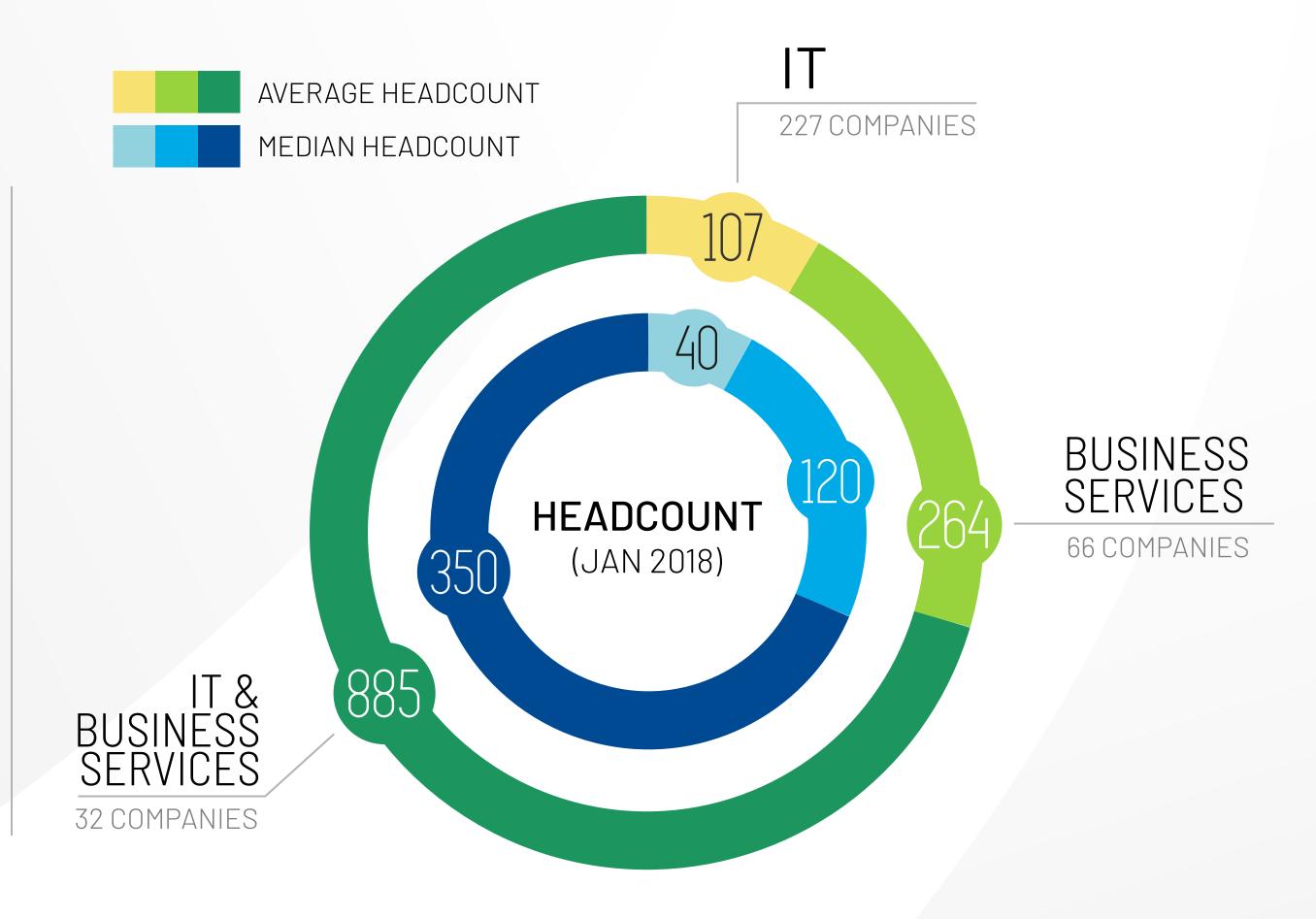
between IT and Business Services roles





AVERAGE HEADCOUNT per company

Average 213
Headcount 60
Headcount

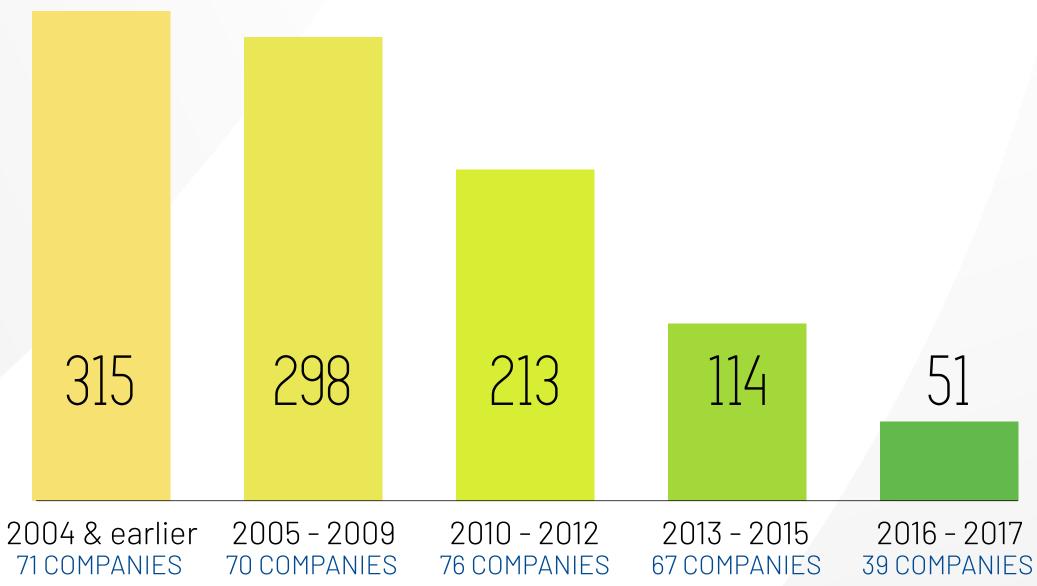




AVERAGE HEADCOUNT

(JANUARY 2018)

AVERAGE according to age of centre



YEAR OF

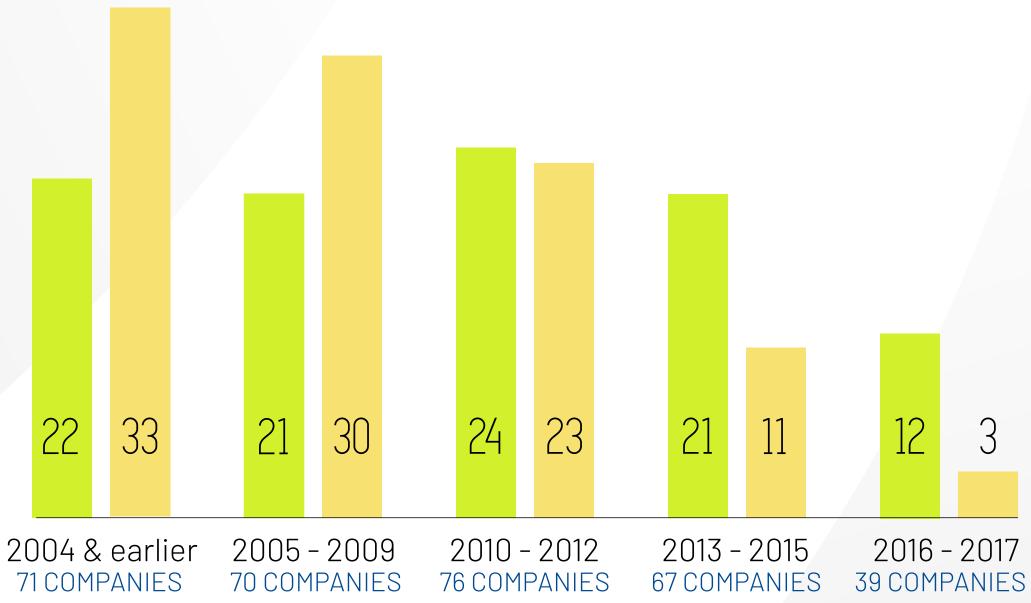
ESTABLISHMENT



% Total number of Centres

% Share of Headcount (JAN 2018)

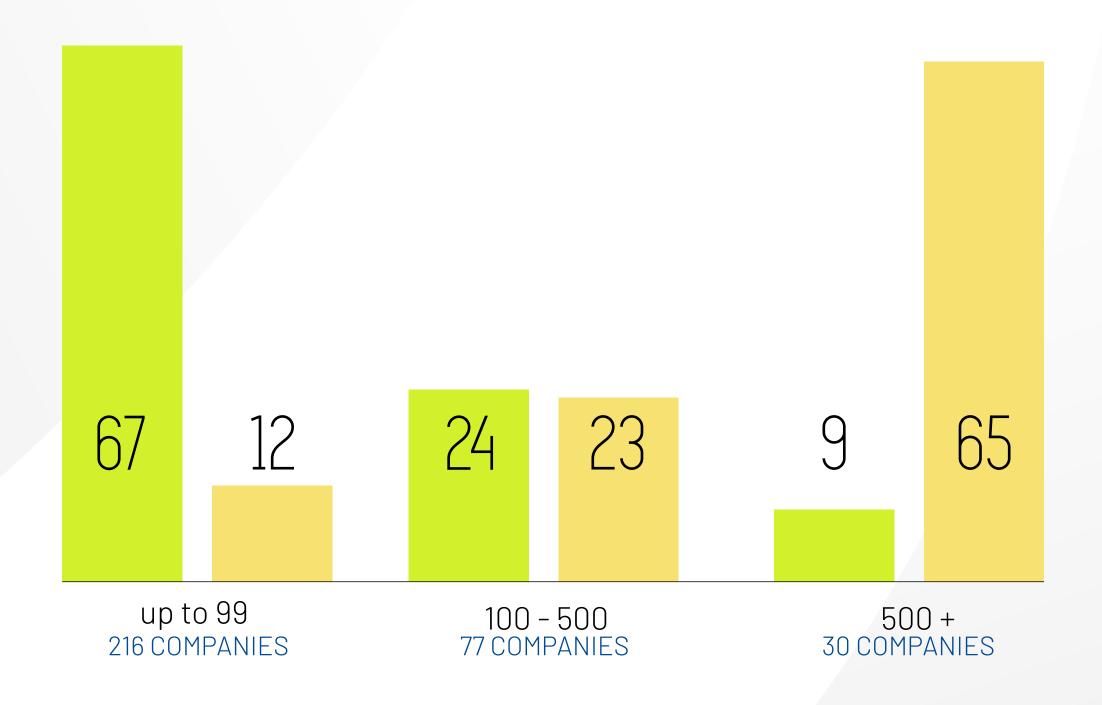






% Total number of Centres
% Share of Headcount (JAN 2018)







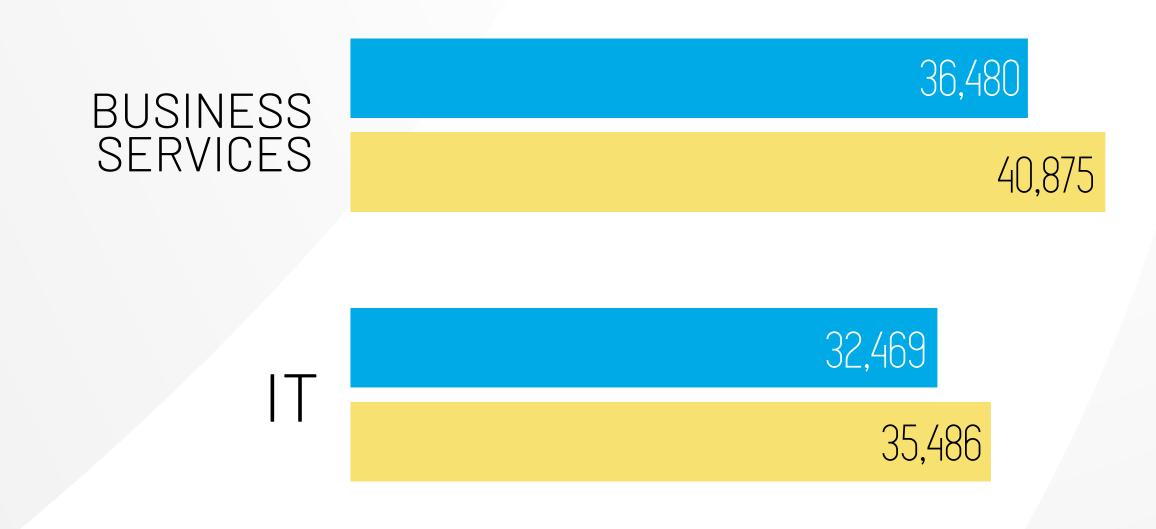
FORECASTS for DECEMBER 31st 2018







split between IT and Business Services



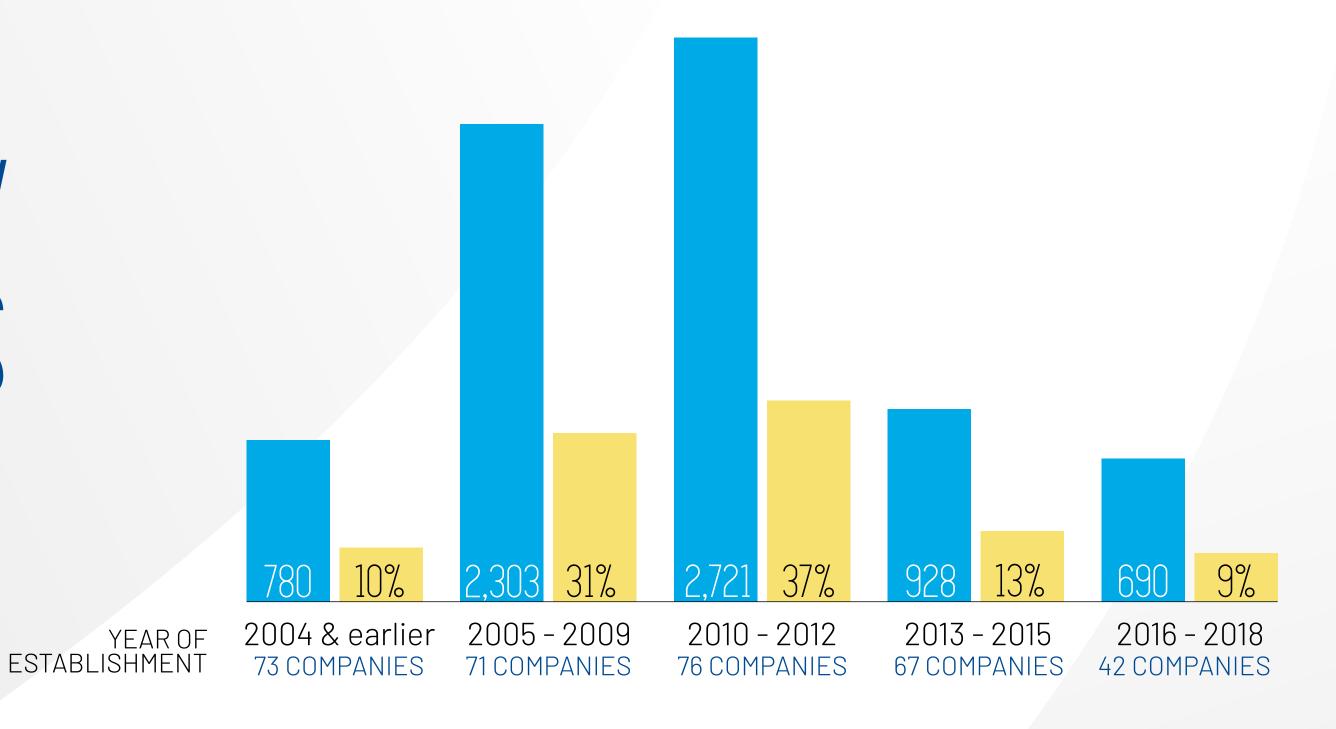
4,390 New jobs 3,032 New jobs in Business Services



New jobs in 2018

% Share of new jobs in 2018

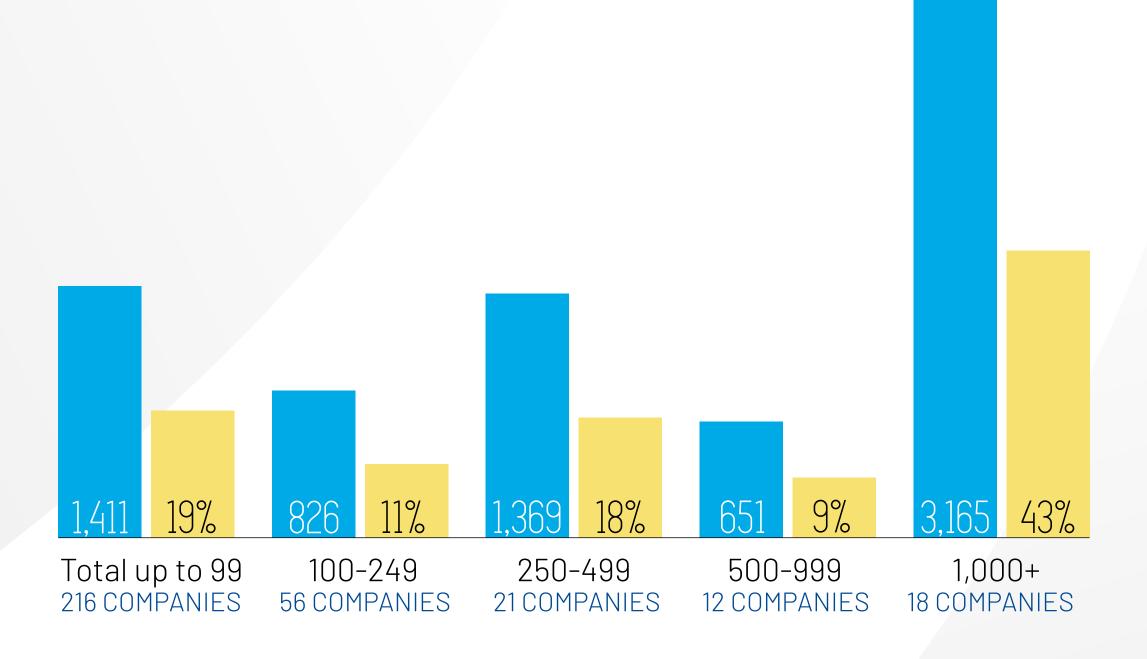






New jobs in 2018
% Share of new jobs in 2018

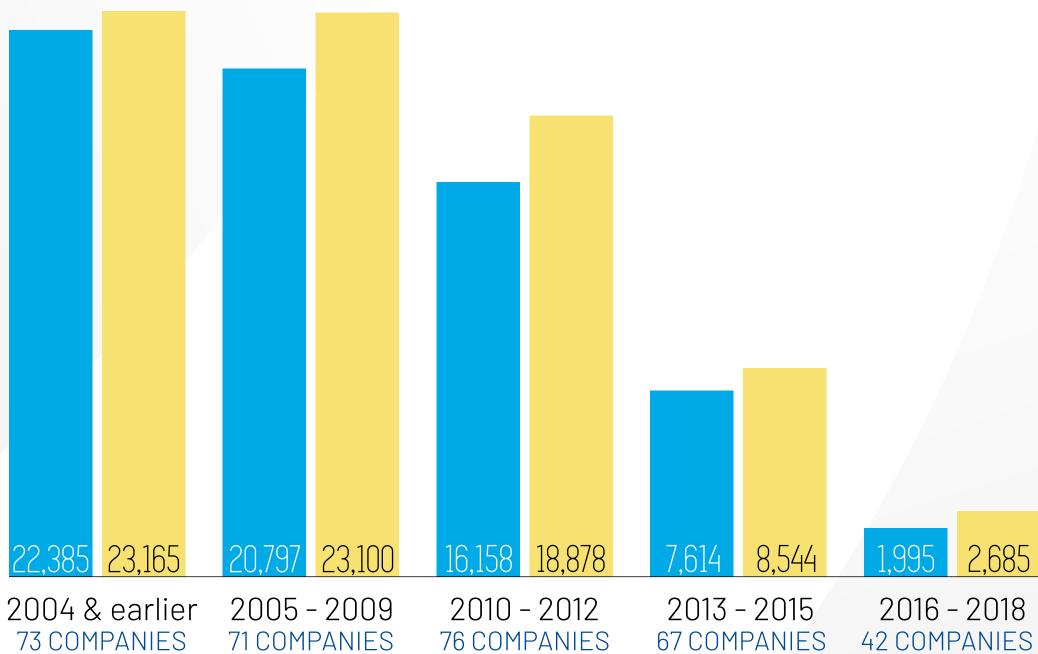
JUBS according to size of centre



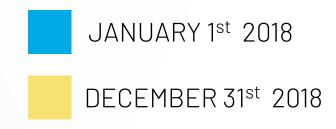


JANUARY 1st 2018 DECEMBER 31st 2018

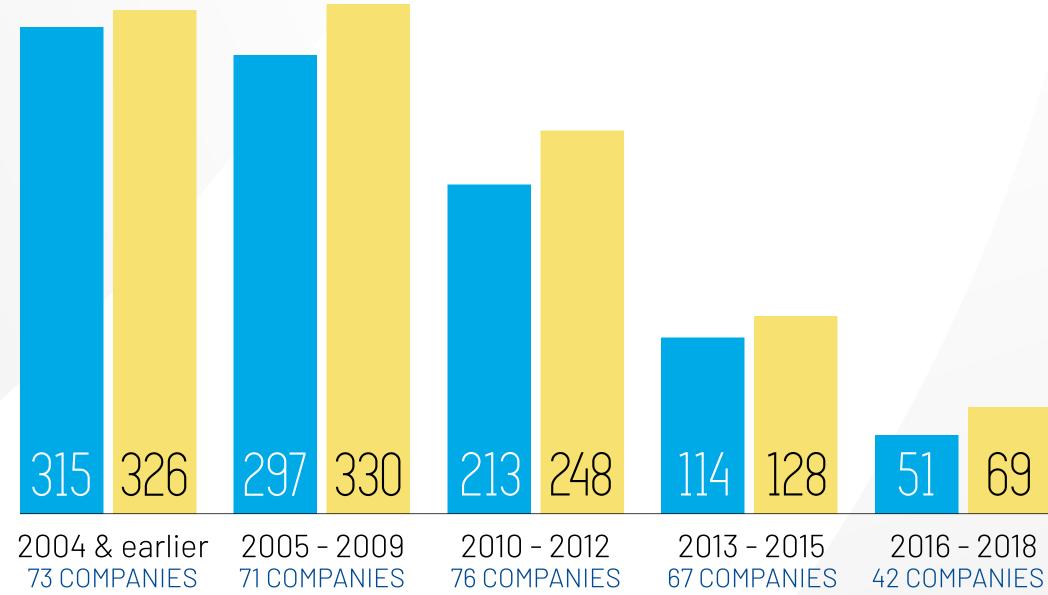
headcount according to age of centre







in headcount according to age of centre



YEAR OF ESTABLISHMENT



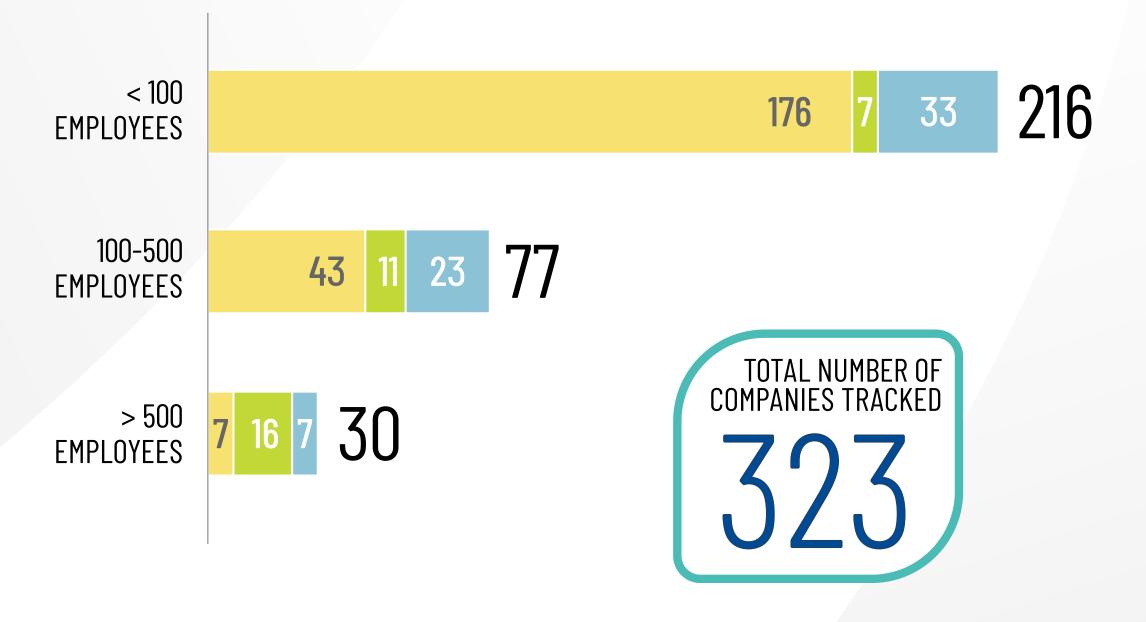
APPENDIX



COMPANIES TRACKED

by size and type

- BUSINESS SERVICES
- BUSINESS SERVICES + IT





COMPANIES < 100 EMPLOYEES

BUSINESS SERVICES

BUSINESS SERVICES + IT

Airhelp **ALK Abello** Anachron **Apply Capnor** Argos Multilingual Arrow Aterima **CBB Call Centre** Compendium CE **CRIF** Farnell element14 **GP Strategies** Graitec HedgeServ Kimberly Clark Kingfisher Pearson **Pontoon Solutions** PwC Red Flag Group Rolls Royce Silgan Closures Sterling Outsourcing Sweco Engineering

3di

Abbvie

Admind

AgileOne

Teleinvention TTEC UPM-Kymmene WilsonHCG Xceedance **Aptean** ARC Consulting Berrylife Chatham Financial Revolut Symphony XTRF 2040.io AdRem Software Allegro Alten Altkom Akademia Amartus Aplixcom **Applicake** Appliscale Ascomp Assa Abloy AutoID Axence

Azimo

Bidroom Binary Minds Biocentrum Bloober Team Brainly Callpage CCNS CD Projekt Red CGI Circdata Code Concept Code Sprinters Coders Lab Coders Mill Codibly Collective Sense **Compact Solutions** Contactis Corcode Craftinity Creativestyle Crossweb CryptoTech CUBE, ITG Currenda DASL Systems DataFeed Watch DeramCommerce

Dotpay Duckie Deck Eataway Edrone Elettric80 Erlang Solutions **ESET** Estimote Eura7 Eventory Filmcloud Finastra First Utility FQS G2A.com Global Logic Grape up **Grid Dynamics** Guidewire Harimata **HCM Deck HID Global** Hidden Data hor.Net Hub:raum hurra.com IGE XAO iLoop Mobile

Image Sensing Syst. Medius Infakt Metrosoft Infare solutions Mindbox Mobile Experts Infinite Loop MobilTek Infolet Mobiteam Premium Infosys Innergy Modis Innovation Nest MyNetwork Group Nano Games Insoft NBC Intive NetEnt Intredo IT Kontrakt Netguru IT Vision IT Works Nextiraone NobleProg **IT4Business** ITMAGINATION Notatek J Commerce Novatek JPEmbedded Omni Calculator Kelvatek OpenJaw Tech. Kontakt.io Opitz Consulting Leftbrain Parasoft Loycon Systems Phenomaly Lunar Logic Picodi Madkom Polarys Making Waves Polcode Polcom McAfee MedApp Posbistro Mediaflex Predictive Solutions

Prescient Prodata Consult **Oualtrics** Quantoo **Quantum Software** Oumak Railsware Railwaymen Reality Games Reality Pump Red Stack Tech Relativity Netzsch Instrumente Repux Scaleworks SecuRina Semihalf Silvair Sizmek Skipjaq Softelnet Softhis Softnauts Softnet Solutions Software Mansion Solidex Soneta Streamsoft Synerise

Syntel Tail Talex Teyon The Cogworks Tieto Timeframe Software Transactor u2i Ubiquiti Networks Unity **Untitled Kingdom** Veneo VirtusLab Webcon Wipro BPO Woolet X Formation **Xtend New Media** Zerodowntime

Zooplus



COMPANIES 100-500 EMPLOYEES

BUSINESS SERVICES

BUSINESS SERVICES + IT

Air Liquide Global E&C Solutions

Amway Can-Pack

Cathay Pacific

Ecolab

FedEx Genpact

Getinge

Hays

Herbalife

Hitachi Vantara

innogy

LSC Communications

Mota-Engil

PGE

QVC

Selvita

Stefanini Tesco

Teva

UBER

Woodward

Zurich Insurance

Accenture

Alight Solutions

Amer Sports

Cognizant

Google

IAG GBS

IG Group

inPost

Lundbeck Perkin Elmer

Sappi

Ailleron

Amplexor

Asseco Poland

Atos

Autodesk Avanade Base

Benhauer

BWI Group

Codewise

Dassault Systems

DreamLab

Fideltronic

Game desire

GE Healthcare

Grand Parade

IBM SoftwareLab

Intelenet

j-labs

Lumesse

Miquido

Nazwa.pl NOVOMATIC

Ocado Technology

OEConnection

Onet Oracle Pegasystems

R.R. Donnelley Technology

Samsung

Schibsted Tech

Sii

Silvermedia

SKK

Smart4Aviation

Sointeractive

Solarwinds

SolidBrain

Sygnity

TechnipFMC

Veracomp

Vsoft

Yggdrasil Gaming

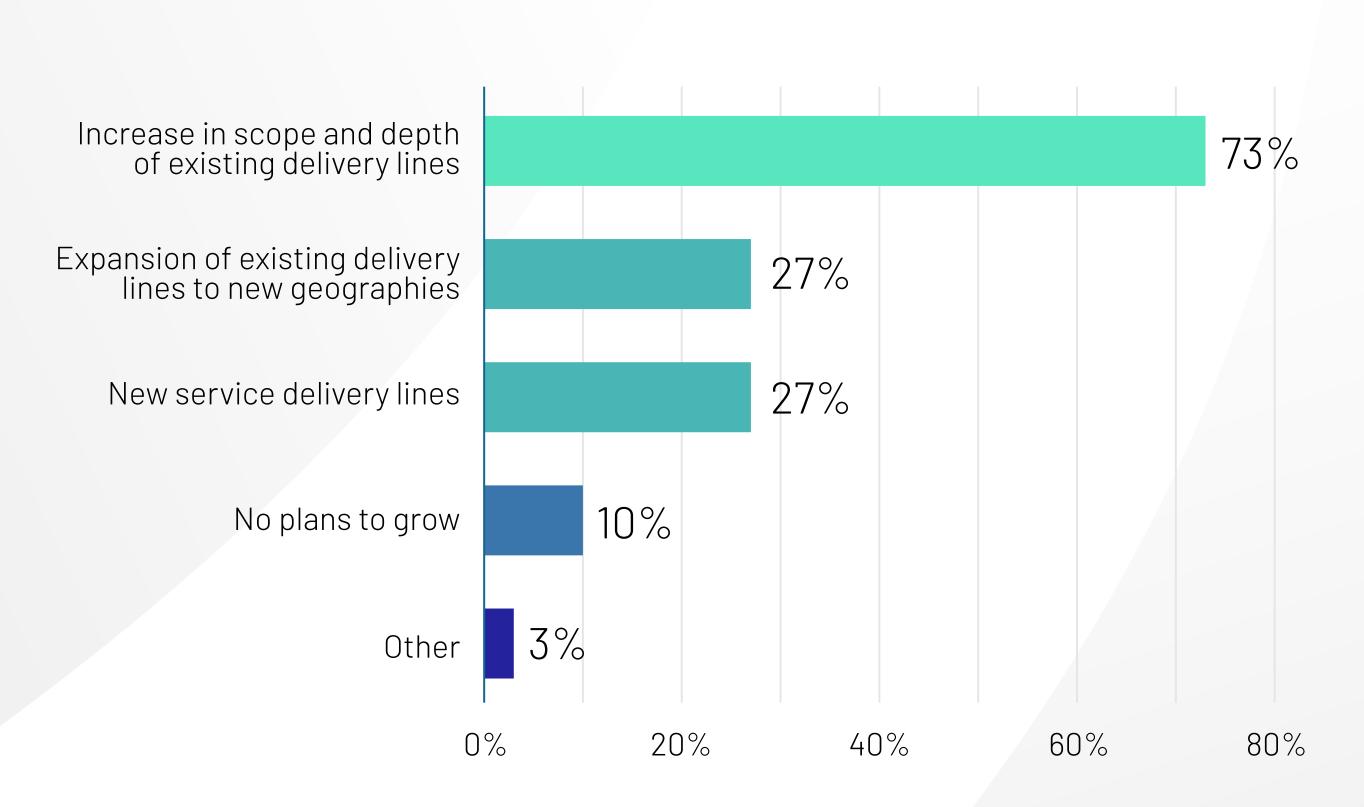


COMPANIES >500 EMPLOYEES





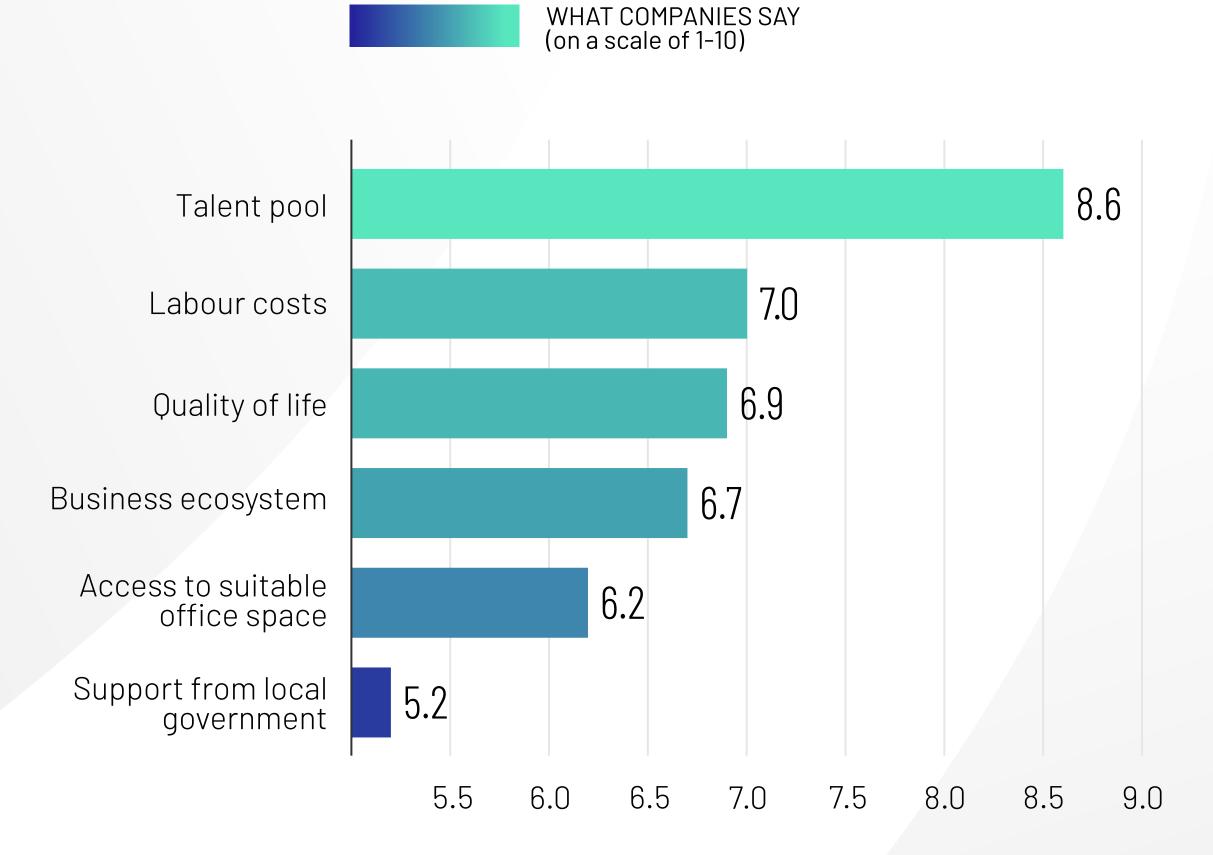
SOURCE OF HEADCOUNT GROWTH



% OF COMPANIES



IMPORTANCE OF LOCAL CRITERIA FOR GROWTH





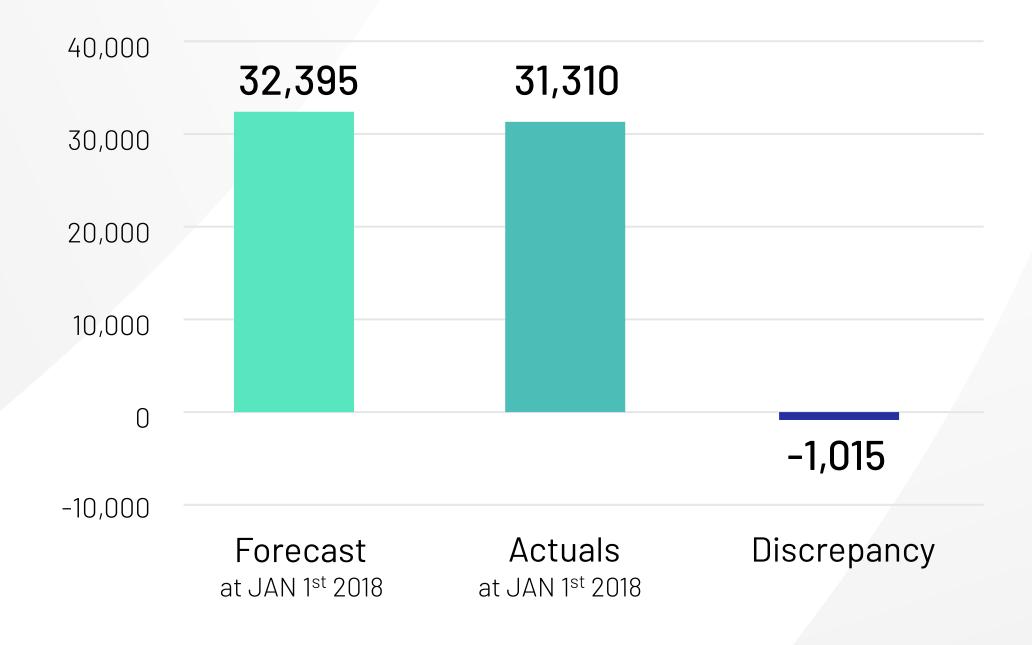
96.9% ACCURACY based on sample of 53 companies with 50 or more employees

ACCURACY ACTUALS VS FORECAST

January 2018 Forecast (from Headcount Tracker 2017)

VS

January 2018 Actuals (from Headcount Tracker 2018)





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'ASPIRE HEADCOUNT TRACKER 2018'













