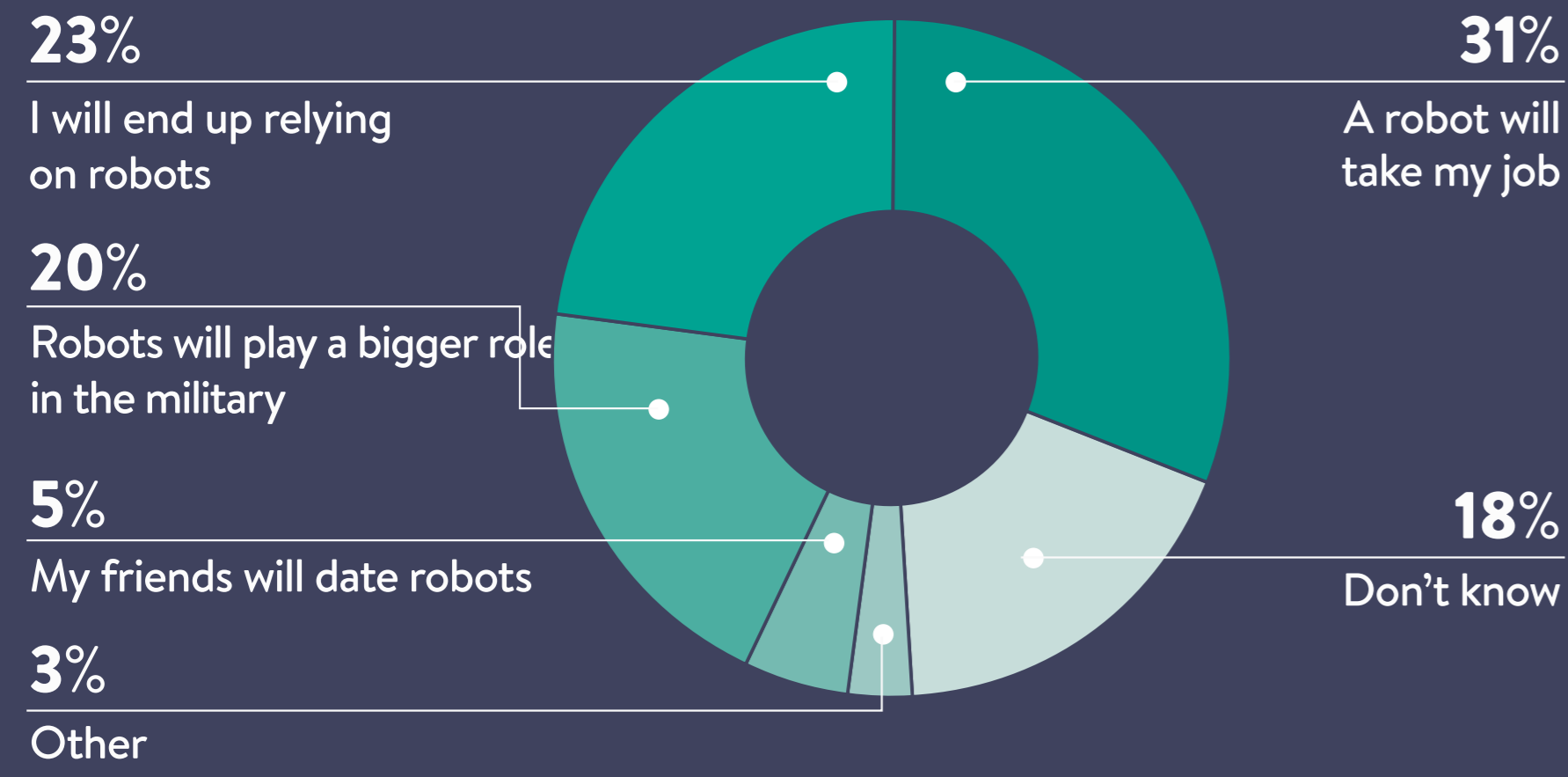


AUTOMATING THE WORKFORCE

EMPLOYEES' FUTURE CONCERNS ABOUT ARTIFICIAL INTELLIGENCE

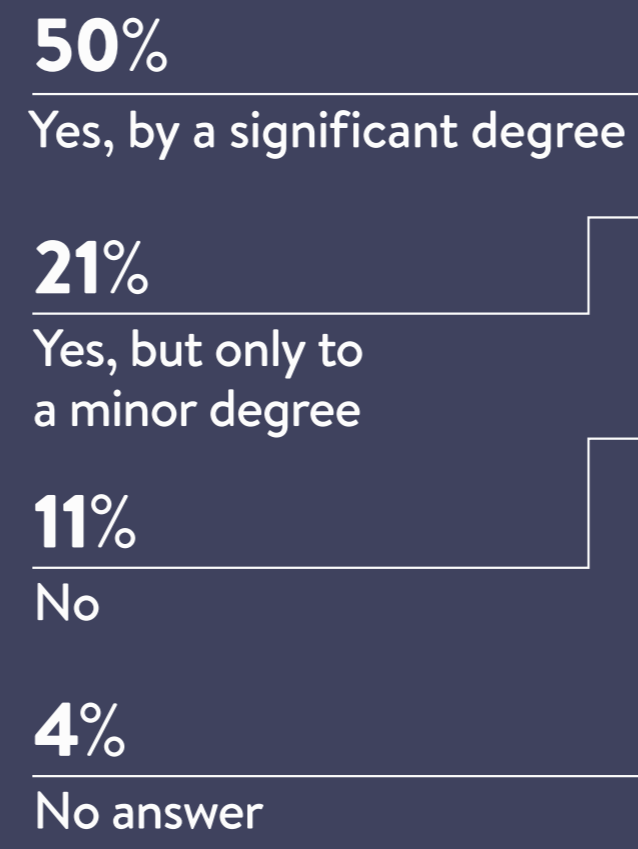
When thinking about the future implications of artificial intelligence, what worries you the most?



Source: Dell/Intel 2016

DO YOU BELIEVE AUTOMATION WILL LEAD TO MAJOR CHALLENGES FOR SOCIETIES AND POLICYMAKERS?

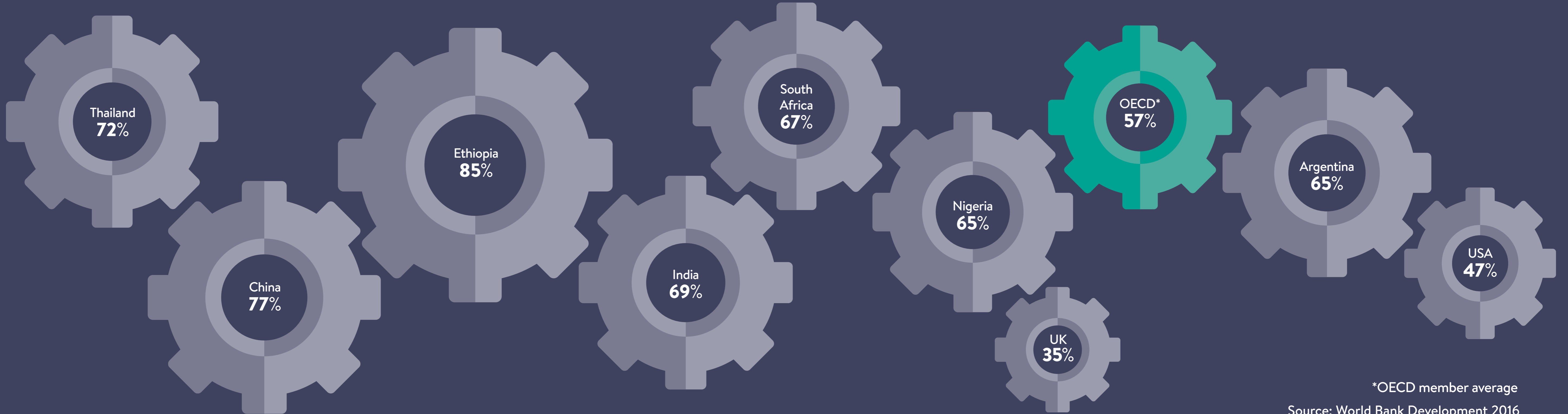
SURVEY OF RESEARCH CITI INSTITUTIONAL CLIENTS



Source: Citi Research/University of Oxford 2016

WHERE JOBS ARE LIKELY TO BE REPLACED BY ROBOTS, SELECTED COUNTRIES

Percentage of jobs at risk of automation

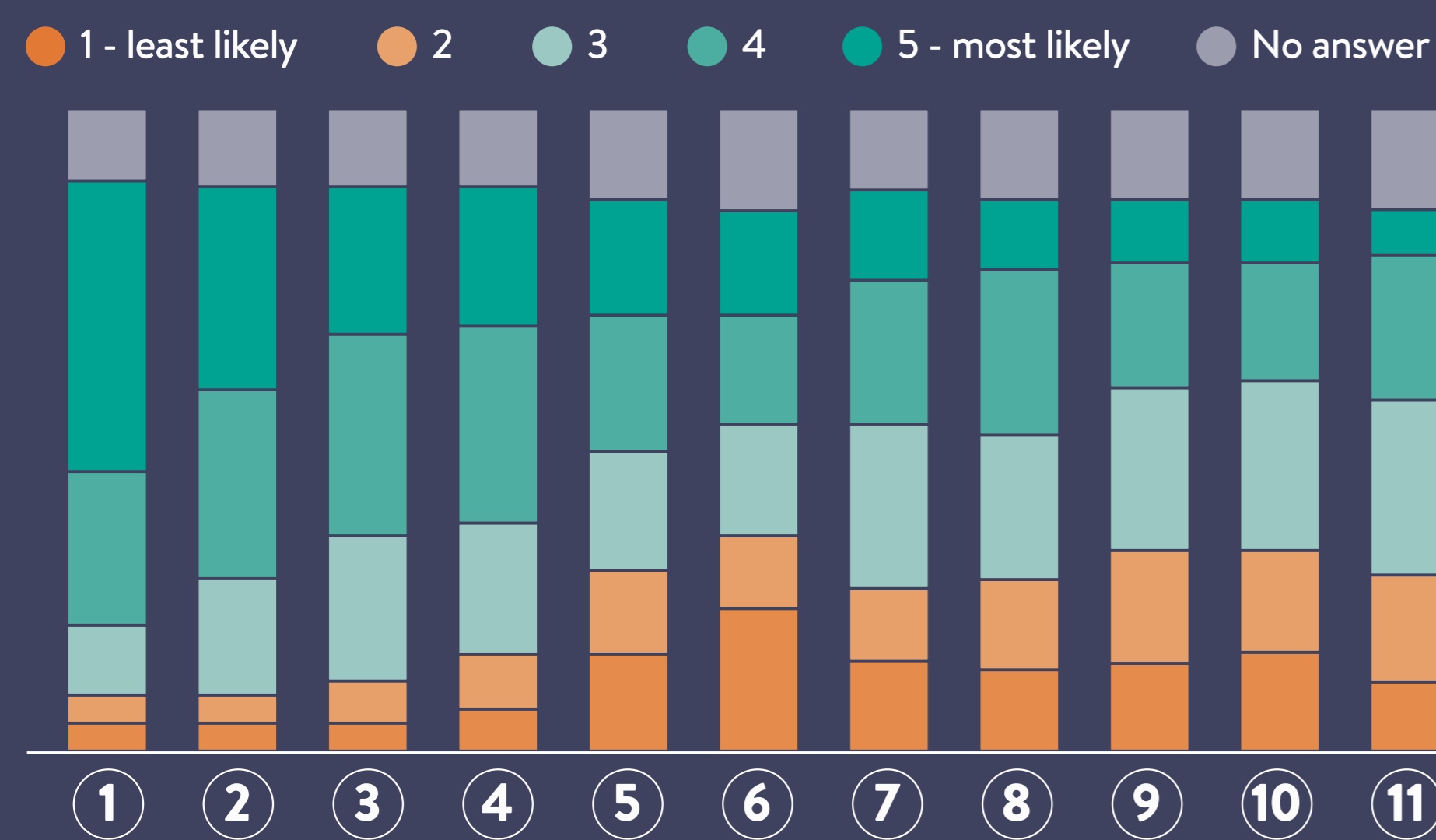


*OECD member average

Source: World Bank Development 2016

POLICIES TO DEAL WITH AUTOMATION IMPACT ON LABOUR AND WEALTH DISTRIBUTION

SURVEY OF CITI RESEARCH INSTITUTIONAL CLIENTS



- Investment in education
- Encouragement of entrepreneurship
- Active labour market policies
- Funding research to increase employment
- Lower taxes for low-income households
- Higher taxes for high-income households
- Higher taxation of capital versus labour
- Regulating automation implementation
- Introduction of basic living incomes
- Encouraging immigration
- Policies to stimulate consumer demand

Source: Citi Research/University of Oxford 2016

COUNTRIES/REGIONS AFFECTED BY AUTOMATION

SURVEY OF CITI RESEARCH INSTITUTIONAL CLIENTS

MOST TO GAIN

Most popular answers

- North America
- Europe
- Japan
- China
- ASEAN*

MOST TO LOSE

Most popular answers

- China
- ASEAN*
- Latin America
- CEEMEA**
- ASEAN*

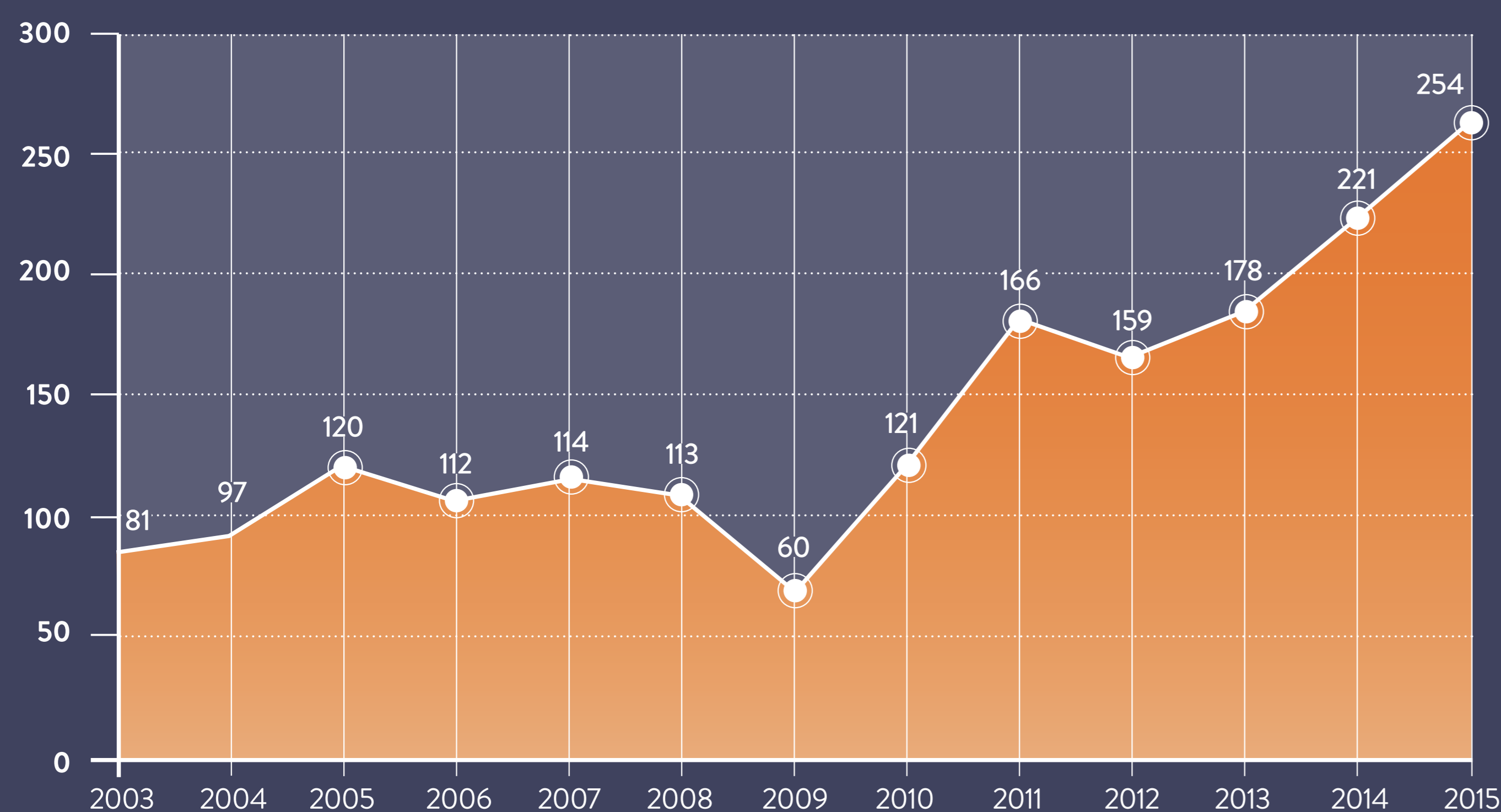
*Association of South-East Asian Nations

**Central and Eastern Europe, Middle East and Africa

Source: Citi Research 2016

GLOBAL ANNUAL SUPPLY OF INDUSTRIAL ROBOTS

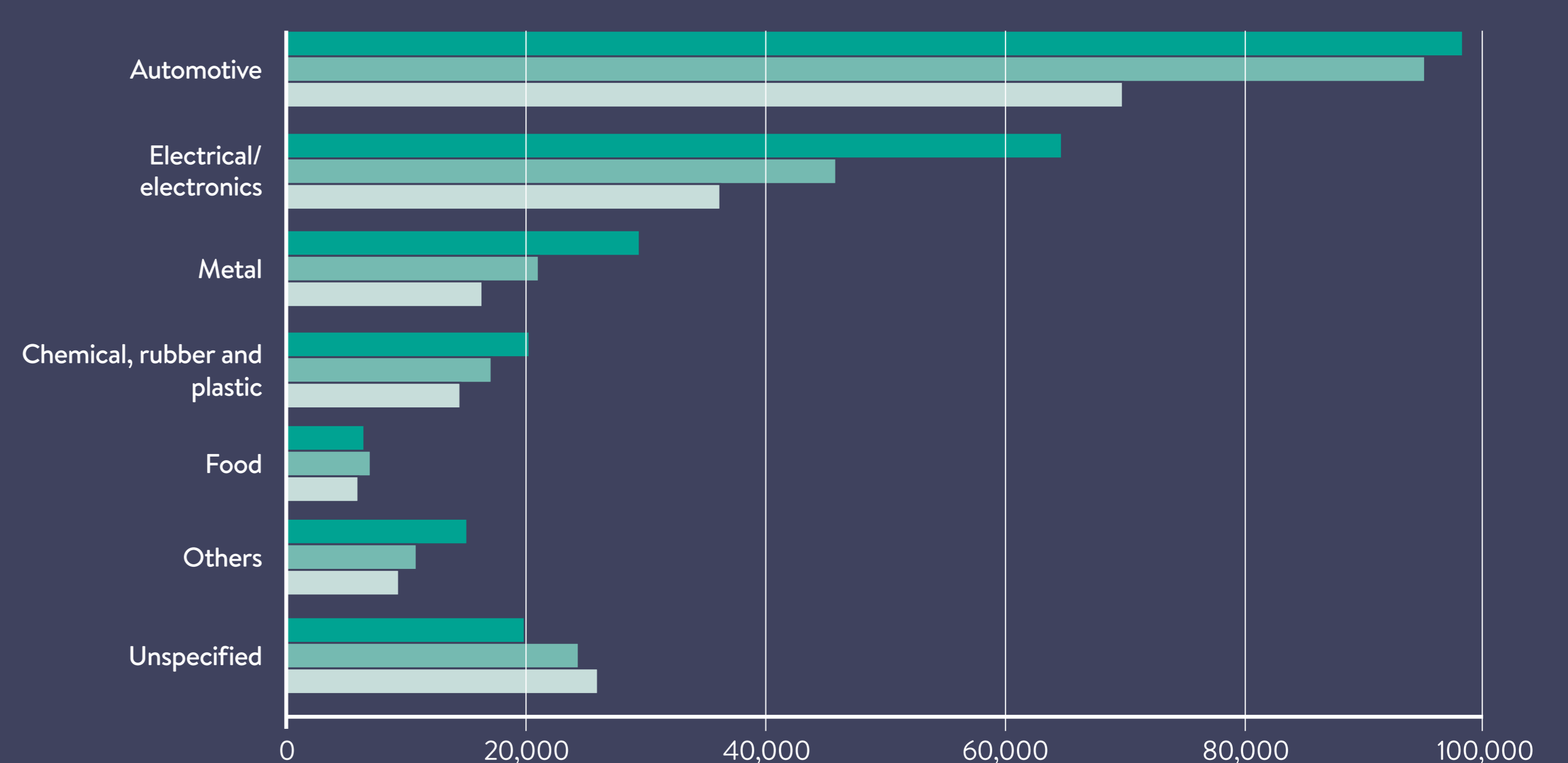
IN THOUSANDS



Source: IFR World Robotics 2016

GLOBAL ANNUAL SUPPLY OF INDUSTRIAL ROBOTS BY INDUSTRY

● 2013 ● 2014 ● 2015



Source: IFR World Robotics 2016