

The locations making manufacturing work

MANUFACTURING REMAINS A KEY ELEMENT OF FDI, CREATING THOUSANDS OF JOBS AND BRINGING IN BILLIONS OF DOLLARS IN CAPITAL INVESTMENT. **fDi** RANKS THE LEADING STATES AND CITIES IN THE SECTOR, AND **JULIE REYNOLDS** ANALYSES THE RESULTS

While FDI for services and technology-related enterprises is growing, manufacturing remains important because of its job-creating possibilities. But which locations around the world are successfully attracting production facilities?

In an assessment of inbound greenfield FDI between 2012 and 2016, Jiangsu, on China's eastern coast, ranks as the top state in the Asia-Pacific region for manufacturing. This is followed by Java in Indonesia, which is second across all three variables (jobs created, capital investment and project numbers) for Asia-Pacific. The two states also rank first and second, respectively, on a global basis.

In the ranking of top cities in Asia-Pacific, Rayong in Thailand attracted the most manufacturing jobs (more than 37,500), while two Chinese cities rank first for capital investment and project numbers: Guangzhou received FDI worth \$12.4bn and Shanghai totalled 127 projects.

Russia rules

Russian states dominate the rankings for manufacturing FDI in emerging Europe. Accounting for 140 FDI projects worth \$16.2bn and attracting more than 40,000 new jobs, Central Federal District is first across all three categories.

According to investors' motives recorded by greenfield investment monitor **fDi** Markets, establishing a presence in the state offers them a central location to better serve a growing demand for manufacturing in the region, with access to road and rail infrastructure an additional benefit. Manufacturing investments were most common in the food and beverage industry in emerging Europe, accounting for 21% of total projects.

Other Russian states – Privolzhsky Federal District, Northwestern Federal District, Southern Federal District, Siberian Federal District, Far Eastern Federal District, Urals Federal District, and North Caucasian Federal District – also appear in the top 10 for project numbers, capital investment and job creation in emerging Europe. St Petersburg is the top city for job creation in the region, boasting more than 9000 new jobs between 2012 and 2016.

UK on top

In western Europe, the UK makes a strong impact, with the West Midlands region welcoming nearly 17,000 jobs, 3289 of them in the city of Wolverhampton. This places them at the top of the state and city rankings, respectively, for job creation. Scotland also shows up well, placing third for both job creation and project numbers, and fourth for capital investment.

In the same vein, top spots for capital investment and project numbers are also claimed by a state and one of a city lying within it. Catalonia and Martorell – home of automaker Seat's headquarters – rank first for capital investment, while Vlaams Gewest and Antwerp in Belgium rank first for job creation.

In the Middle East and Africa, Oromia in Ethiopia ranks first among states for job creation, with more than 30,000 new jobs announced between 2012 and 2016. A large slice of this came from Ayka Addis Textile & Investment's textiles manufacturing plant, which created 13,000 jobs. Suez in Egypt tops the capital investment ranking for states, attracting \$10.1bn of FDI; and Dubai in the United Arab Emirates received the highest number of FDI projects (45). The city of Dubai also ranks first



On a roll: manufacturing is booming in eastern China's Jiangsu province

for project numbers. Tanger in Morocco is first among Middle East and African cities for job creation, while Jubail in Saudi Arabia is the leading city for capital investment.

Mexico dominates

Mexican cities hold all the top 10 spots for job creation in Latin America and the Caribbean between 2012 and 2016, and Mexican states take nine of the top 10 spots – Brazil's São Paulo being the only non-Mexican state in this category, in fourth.

Mexican cities are also top in capital investment and projects numbers, with Monterrey receiving FDI worth \$5.1bn and Silao landing 51 projects. São Paulo is the top state for project numbers and capital investment, receiving 175 projects worth \$10.4bn.

In North America, Texas is the top state for capital investment (\$22.8bn of FDI) and job creation (more than 20,000 jobs). State capital Austin is the leading city in the capital investment and jobs created rankings (\$52.3bn of FDI and 4437 jobs). Meanwhile, South Carolina is the top state for project numbers (157), with Houston the top city (20). ■

GLOBAL MANUFACTURING, JANUARY 2012-DECEMBER 2016

Source for all tables: fDi Markets

TOP 10 ASIA-PACIFIC STATES FOR MANUFACTURING BY JOB CREATION

RANK	STATE	COUNTRY
1	Jiangsu	China
2	Java	Indonesia
3	East	Thailand
4	Maharashtra	India
5	Central	Thailand
6	Guangdong	China
7	Ho Chi Minh	Vietnam
8	Andhra Pradesh	India
9	Shanghai Municipality	China
10	Gujarat	India

TOP 10 ASIA-PACIFIC STATES FOR MANUFACTURING BY CAPITAL INVESTMENT

RANK	STATE	COUNTRY
1	Jiangsu	China
2	Java	Indonesia
3	Guangdong	China
4	Maharashtra	India
5	East	Thailand
6	Chongqing Municipality	China
7	Shanghai Municipality	China
8	Gujarat	India
9	Sichuan	China
10	Thanh Hoa	Vietnam

TOP 10 ASIA-PACIFIC STATES FOR MANUFACTURING BY PROJECT NUMBERS

RANK	STATE	COUNTRY
1	Jiangsu	China
2	Java	Indonesia
3	Shanghai Municipality	China
4	Guangdong	China
5	East	Thailand
6	Maharashtra	India
7	Gujarat	India
8	Singapore	Singapore
9	Karnataka	India
10	Central	Thailand

TOP 10 ASIA-PACIFIC CITIES FOR MANUFACTURING BY JOB CREATION

RANK	STATE	COUNTRY
1	Rayong	Thailand
2	Ho Chi Minh	Vietnam
3	Shanghai	China
4	Hai Phong	Vietnam
5	Tianjin	China
6	Chongqing	China
7	Suzhou	China
8	Karawang	Indonesia
9	Wuhan	China
10	Beijing	China

TOP 10 ASIA-PACIFIC CITIES FOR MANUFACTURING BY CAPITAL INVESTMENT

RANK	STATE	COUNTRY
1	Guangzhou	China
2	Chongqing	China
3	Singapore	Singapore
4	Shanghai	China
5	Tianjin	China
6	Wuhan	China
7	Nanjing	China
8	Suzhou	China
9	Cilegon	Indonesia
10	Beijing	China

TOP 10 ASIA-PACIFIC CITIES FOR MANUFACTURING BY PROJECT NUMBERS

RANK	STATE	COUNTRY
1	Shanghai	China
2	Singapore	Singapore
3	Suzhou	China
4	Rayong	Thailand
5	Tianjin	China
6	Chongqing	China
7	Bangalore	India
8=	Hai Phong	Vietnam
8=	Pune	India
10	Chennai	India

TOP 10 EMERGING EUROPE STATES FOR MANUFACTURING BY JOB CREATION

RANK	STATE	COUNTRY
1	Central Fed Dist	Russia
2	Privolzhsky Fed Dist	Russia
3	Vojvodina	Serbia
4	Northwestern Fed Dist	Russia
5	Southern Fed Dist	Russia
6	Siberian Fed Dist	Russia
7	Far Eastern Fed Dist	Russia
8	Urals Fed Dist	Russia
9	Kosovo and Metohija	Kosovo
10	North Caucasian FD	Russia

TOP 10 EMERGING EUROPE STATES FOR MANUFACTURING BY CAPITAL INVESTMENT

RANK	STATE	COUNTRY
1	Central Fed Dist	Russia
2	Privolzhsky Fed Dist	Russia
3	Northwestern Fed Dist	Russia
4	Far Eastern Fed Dist	Russia
5	Southern Fed Dist	Russia
6	Vojvodina	Serbia
7	Siberian Fed Dist	Russia
8	Urals Fed Dist	Russia
9	North Caucasian FD	Russia
10	Balikesir	Turkey

TOP 10 EMERGING EUROPE STATES FOR MANUFACTURING BY PROJECT NUMBERS

RANK	STATE	COUNTRY
1	Central Fed Dist	Russia
2	Privolzhsky Fed Dist	Russia
3	Vojvodina	Serbia
4	Northwestern FD	Russia
5	Southern Fed Dist	Russia
6	Far Eastern Fed Dist	Russia
7	Siberian Fed Dist	Russia
8	Urals Fed Dist	Russia
9	Kosovo and Metohija	Kosovo
10	North Caucasian FD	Russia

TOP 10 EMERGING EUROPE CITIES FOR MANUFACTURING BY JOB CREATION

RANK	STATE	COUNTRY
1	St Petersburg	Russia
2	Moscow	Russia
3	Kecskemet	Hungary
4	Kruševac	Serbia
5	Niš	Serbia
6	Bursa	Turkey
7	Wrocław	Poland
8	Plovdiv	Bulgaria
9	Lipetsk	Russia
10	Balti	Russia

TOP 10 EMERGING EUROPE CITIES FOR MANUFACTURING BY CAPITAL INVESTMENT

RANK	STATE	COUNTRY
1	Moscow	Russia
2	Ulyanovsk	Russia
3	Bursa	Turkey
4	Kecskemet	Hungary
5	Ankara	Turkey
6	St Petersburg	Russia
7	Nitra	Slovakia
8	Žatec	Czech Rep
9	Ryazan	Russia
10	Istanbul	Turkey

TOP 10 EMERGING EUROPE CITIES FOR MANUFACTURING BY PROJECT NUMBERS

RANK	STATE	COUNTRY
1	Istanbul	Turkey
2	Bursa	Turkey
3	Gebze	Turkey
4	St Petersburg	Russia
5=	Braşov	Romania
5=	Izmir	Turkey
7=	Moscow	Russia
7=	Skopje	Macedonia
9=	Łódź	Poland
9=	Wrocław	Poland

TOP 10 WESTERN EUROPE STATES FOR MANUFACTURING BY JOB CREATION

RANK	STATE	COUNTRY
1	West Midlands	UK
2	Catalonia	Spain
3	Scotland	UK
4	Baden-Württemberg	Germany
5	Vlaams Gewest	Belgium
6	North-west	UK
7	North-east	UK
8	South-east	UK
9	Südösterreich	Austria
10	Est	France

TOP 10 WESTERN EUROPE STATES FOR MANUFACTURING BY CAPITAL INVESTMENT

RANK	STATE	COUNTRY
1	Catalonia	Spain
2	Vlaams Gewest	Belgium
3	West Midlands	UK
4	Scotland	UK
5	Baden-Württemberg	Germany
6	Nordrhein-Westfalen	Germany
7	West-Nederland	Netherlands
8	North West	UK
9	Castilla y Leon	Spain
10	Est	France

TOP 10 WESTERN EUROPE STATES FOR MANUFACTURING BY PROJECT NUMBERS

RANK	STATE	COUNTRY
1	Vlaams Gewest	Belgium
2	Catalonia	Spain
3	Scotland	UK
4=	Baden-Württemberg	Germany
4=	West Midlands	UK
6	Nordrhein-Westfalen	Germany
7	Bassin Parisien	France
8	Ouest	France
9	Est	France
10=	North-east	UK
10=	Sachsen-Anhalt	Germany

TOP 10 WESTERN EUROPE CITIES FOR MANUFACTURING BY JOB CREATION

RANK	STATE	COUNTRY
1	Wolverhampton	UK
2	Graz	Austria
3	Barcelona	Spain
4	Solihull	UK
5	Vigo	Spain
6	Coventry	UK
7	Birmingham	UK
8	Sunderland	UK
9	Swindon	UK
10	Valladolid	Spain

TOP 10 WESTERN EUROPE CITIES FOR MANUFACTURING BY CAPITAL INVESTMENT

RANK	STATE	COUNTRY
1	Martorell	Spain
2	Antwerp	Belgium
3	Vigo	Spain
4	Rotterdam	Netherlands
5	Dublin	Ireland
6	Valladolid	Spain
7	Luterbach	Switzerland
8	Madrid	Spain
9	Solihull	UK
10	Sunderland	UK

TOP 10 WESTERN EUROPE CITIES FOR MANUFACTURING BY PROJECT NUMBERS

RANK	STATE	COUNTRY
1	Antwerp	Belgium
2	Barcelona	Spain
3	Coventry	UK
4=	Madrid	Spain
4=	Rotterdam	Netherlands
6=	Dunkirk	France
6=	Ghent	Belgium
6=	Sunderland	UK
9=	Berlin	Germany
9=	Dublin	Ireland
9=	Livingston	UK

TOP 10 NORTH AMERICA STATES FOR MANUFACTURING BY JOB CREATION

RANK	STATE	COUNTRY
1	Texas	US
2	Michigan	US
3	Tennessee	US
4	South Carolina	US
5	North Carolina	US
6	Indiana	US
7	Ohio	US
8	Alabama	US
9	Georgia	US
10	Ontario	Canada

TOP 10 NORTH AMERICA STATES FOR MANUFACTURING BY CAPITAL INVESTMENT

RANK	STATE	COUNTRY
1	Texas	US
2	Louisiana	US
3	South Carolina	US
4	Alabama	US
5	Ontario	US
6	Tennessee	US
7	North Carolina	US
8	Indiana	US
9	Georgia	US
10	Michigan	US

TOP 10 NORTH AMERICA STATES FOR MANUFACTURING BY PROJECT NUMBERS

RANK	STATE	COUNTRY
1	South Carolina	US
2	North Carolina	US
3	Indiana	US
4	Texas	US
5	Ohio	US
6	Michigan	US
7	Tennessee	US
8	Alabama	US
9	Kentucky	US
10	Georgia	US

TOP 10 NORTH AMERICA CITIES FOR MANUFACTURING BY JOB CREATION

RANK	STATE	COUNTRY
1	Austin (TX)	US
2	Chattanooga (TN)	US
3	Houston (TX)	US
4	Detroit (MI)	US
5	Windsor	Canada
6=	Belvidere (IL)	US
6=	Clinton (MS)	US
8	Lafayette (IN)	US
9	Richmond (VA)	US
10	Spartanburg (SC)	US

TOP 10 NORTH AMERICA CITIES FOR MANUFACTURING BY CAPITAL INVESTMENT

RANK	STATE	COUNTRY
1	Austin (TX)	US
2	Spartanburg (SC)	US
3	Windsor	Canada
4=	Plaquemine (LA)	US
4=	Port Arthur (TX)	US
6	Richmond (VA)	US
7	Mobile (AL)	US
8	Geismar (LA)	US
9	Point Comfort (TX)	US
10	Tuscaloosa (AL)	US

TOP 10 NORTH AMERICA CITIES FOR MANUFACTURING BY PROJECT NUMBERS

RANK	STATE	COUNTRY
1	Houston (TX)	US
2	Bowling Green (KY)	US
3	Montreal	Canada
4=	San Antonio (TX)	US
4=	Toronto	Canada
6=	Detroit (MI)	US
6=	Greenville (SC)	US
6=	Mobile (AL)	US
6=	Chattanooga (TN)	US
6=	Louisville (KY)	US

TOP 10 LATAM/CARIBBEAN STATES FOR MANUFACTURING BY JOB CREATION

RANK	STATE	COUNTRY
1	Guanajuato	Mexico
2	Nuevo Leon	Mexico
3	Coahuila	Mexico
4	São Paulo	Brazil
5	Chihuahua	Mexico
6	Baja California	Mexico
7	Queretaro	Mexico
8	San Luis Potosi	Mexico
9	Aguascalientes	Mexico
10	Jalisco	Mexico

TOP 10 LATAM/CARIBBEAN STATES FOR MANUFACTURING BY CAPITAL INVESTMENT

RANK	STATE	COUNTRY
1	São Paulo	Brazil
2	Nuevo Leon	Mexico
3	Guanajuato	Mexico
4	Coahuila	Mexico
5	Rio Grande do Sul	Brazil
6	Baja California	Mexico
7	San Luis Potosi	Mexico
8	Queretaro	Mexico
9	Chihuahua	Mexico
10	Pernambuco	Brazil

TOP 10 LATAM/CARIBBEAN STATES FOR MANUFACTURING BY PROJECT NUMBERS

RANK	STATE	COUNTRY
1	São Paulo	Brazil
2	Guanajuato	Mexico
3	Nuevo Leon	Mexico
4	Queretaro	Mexico
5	Coahuila	Mexico
6	Baja California	Mexico
7	Chihuahua	Mexico
8=	Jalisco	Mexico
8=	San Luis Potosi	Mexico
10=	Aguascalientes	Mexico
10=	Buenos Aires Province	Argentina

TOP 10 LATAM/CARIBBEAN CITIES FOR MANUFACTURING BY JOB CREATION

RANK	STATE	COUNTRY
1	San Luis Potosi	Mexico
2	Silao	Mexico
3	Monterrey	Mexico
4	Tijuana	Mexico
5	Queretaro	Mexico
6	Ciudad Juarez	Mexico
7	Chihuahua	Mexico
8	Mexicali	Mexico
9	Aguascalientes	Mexico
10	Torreon	Mexico

TOP 10 LATAM/CARIBBEAN CITIES FOR MANUFACTURING BY CAPITAL INVESTMENT

RANK	STATE	COUNTRY
1	Monterrey	Mexico
2	San Luis Potosi	Mexico
3	Goiana	Brazil
4	Aguascalientes	Mexico
5	Mexicali	Mexico
6	Silao	Mexico
7	Queretaro	Mexico
8	Chihuahua	Mexico
9	Tijuana	Mexico
10	Cienega de Flores	Mexico

TOP 10 LATAM/CARIBBEAN CITIES FOR MANUFACTURING BY PROJECT NUMBERS

RANK	STATE	COUNTRY
1	Silao	Mexico
2	Queretaro	Mexico
3	San Luis Potosi	Mexico
4	Monterrey	Mexico
5	Tijuana	Mexico
6	Aguascalientes	Mexico
7	São Paulo	Brazil
8	Irapuato	Mexico
9	Ciudad Juarez	Mexico
10	Manaus	Brazil

TOP 10 MEA STATES FOR MANUFACTURING BY JOB CREATION

RANK	STATE	COUNTRY
1	Oromia	Ethiopia
2	Tangier-Tetouan	Morocco
3	Gauteng	South Africa
4	Addis Ababa	Ethiopia
5	Dubai	UAE
6	Ash Sharqiyah (East)	Egypt
7	Eastern Cape	South Africa
8	Abu Dhabi	UAE
9	KwaZulu-Natal	South Africa
10	Lagos State	Nigeria

TOP 10 MEA STATES FOR MANUFACTURING BY CAPITAL INVESTMENT

RANK	STATE	COUNTRY
1	Suez	Egypt
2	Ash Sharqiyah (East)	Egypt
3	Al Jubayl	Saudi Arabia
4	Al Qahirah	Egypt
5	Wasit	Iraq
6	Dire Dawa	Ethiopia
7	Bahrain	Bahrain
8	Makkah	Saudi Arabia
9	Dubai	UAE
10	Jizan	Saudi Arabia

TOP 10 MEA STATES FOR MANUFACTURING BY PROJECT NUMBERS

RANK	STATE	COUNTRY
1	Dubai	UAE
2	Gauteng	South Africa
3	Tangier-Tetouan	Morocco
4	Casablanca	Morocco
5	Ash Sharqiyah (East)	Egypt
6	Abu Dhabi	UAE
7	KwaZulu-Natal	South Africa
8	Addis Ababa	Ethiopia
9	Eastern Cape	South Africa
10=	Bahrain	Bahrain
10=	Lagunes	Ivory Coast
10=	Western Cape	South Africa

TOP 10 MEA CITIES FOR MANUFACTURING BY JOB CREATION

RANK	STATE	COUNTRY
1	Tanger	Morocco
2	Addis Ababa	Ethiopia
3	Alem Gena	Ethiopia
4	Kenitra	Morocco
5	Dubai	UAE
6	Dammam	Saudi Arabia
7	Abu Dhabi	UAE
8	Durban	South Africa
9	Meknes	Morocco
10	Lagos	Nigeria

TOP 10 MEA CITIES FOR MANUFACTURING BY CAPITAL INVESTMENT

RANK	STATE	COUNTRY
1	Jubail	Saudi Arabia
2	Cairo	Egypt
3	Dire Dawa	Ethiopia
4	Dammam	Saudi Arabia
5	Dubai	UAE
6	Jizan	Saudi Arabia
7	Zaria	Nigeria
8	Al Jubail	Saudi Arabia
9	Ras al Khaimah	UAE
10	Jeddah	Saudi Arabia

TOP 10 MEA CITIES FOR MANUFACTURING BY PROJECT NUMBERS

RANK	STATE	COUNTRY
1	Dubai	UAE
2	Tanger	Morocco
3	Casablanca	Morocco
4	Abu Dhabi	UAE
5	Dammam	Saudi Arabia
6	Addis Ababa	Ethiopia
7=	Abidjan	Ivory Coast
7=	Cape Town	South Africa
7=	Ras al Khaimah	UAE
10	Johannesburg	South Africa