



# Total Logistics 2017

An introduction to the global logistics industry and the trends and innovations that shape it.



Logistics Briefing



Ti Dashboard



Ti Reports



Ti Portal GSCI



Ti Consulting



Ti Conference



### Ti's Origin and Development

Ti is a leading logistics and supply chain market analysis company developed around five pillars of growth:

- Logistics Briefing
- Ti Market Research Reports
- Ti Insight portals
- Ti Consulting
- Ti Conferences and Training

Ti acts as advisors to the World Economic Forum, World Bank, UN and European Commission and have 14 years worth of providing expert analysis to the worlds leading manufacturers, retailers, banks, consultancies, shipping lines and logistics providers.

### What Sets Ti Apart?

- Globally recognised and trusted brand
- Global Associate Network provides a multi-country, multi-disciplinary and multi-lingual extension to Ti's in-house capabilities
- More than fourteen years of knowledge delivery to global manufacturers, retailers, banks, consultancies, shipping lines and logistics providers
- Unique web-based intelligence portals
- Interactive dashboard
- On-going and comprehensive programmes of primary and secondary research

### Global Expertise with Local Focus.

Logistics Executive Group is the acknowledged industry leader providing a suite of whole-of-lifecycle business services including Corporate Advisory, Executive Search and specialist Supply Chain and Logistics Training.

Since 1999, clients have trusted us to help recruit, build world-class leadership and drive business performance with integrated Corporate Advisory services.

Today, we are a single source for leadership development, talent & recruitment services and business consulting to empower businesses and leaders to reach their goals. Offering a full suite of solutions designed and executed to position our clients from growth and overall improved performance, our service pillars include;

- Executive Search & Leadership Recruitment
- Corporate Advisory & Business Performance Consulting
- Accredited Training & Education Programs for the Supply Chain and Logistics sector.

About the authors	6		
Foreword by lead author Professor John Manners-Bell	7		
<b>1.0 What is shaping the global logistics markets?</b>	<b>8</b>		
1.1 The modern global logistics industry	9		
1.2 Trade and globalisation	10		
1.3 World trade growth	11		
1.4 Global and regional trade networks	12		
1.5 The importance of megacities on supply chains	13		
1.6 Just-in-Case manufacturing	14		
1.7 Modern supply chain management practise	15		
1.7.1 The impact of supply chain management practise on logistics	16		
1.8 Centralization of inventory	17		
1.9 Outsourcing of logistics	18		
1.9.1 Why outsource logistics?	19		
1.10 Evolution towards value adding services	20		
<b>2.0 An industry in transformation: Consolidation</b>	<b>21</b>		
2.1 Consolidation and fragmentation in the logistics industry	22		
2.2 Key industry trends	23		
2.3 Options for growth	24		
2.4 Acquisition strategies	25		
2.5 The emergence of the 'mega-carrier'	26		
2.6 The future of the global logistics industry	27		
<b>3.0 Logistics market development by geography</b>	<b>28</b>		
3.1 Influences on market characteristics	29		
3.2 Geographic market snapshots	30		
3.2.1 Western Europe	30		
3.2.2 Central and Eastern Europe	31		
		3.2.3 North America	31
		3.2.4 Asia Pacific	32
		3.2.5 South America	33
		3.2.6 Middle East	34
		3.2.7 Africa	34
		<b>4.0 The emergence of logistics clusters</b>	<b>35</b>
		4.1 Where to locate distribution centres?	36
		4.2 Centralization of distribution in Europe	39
		4.3 Centralization of distribution in the United States	41
		4.4 Key distribution hubs in China	42
		<b>5.0 Freight forwarding</b>	<b>43</b>
		5.1 Structure of the freight forwarding industry	44
		5.2 Modal choice	45
		5.3 Fragmentation and consolidation	46
		5.4 The restructuring of the freight forwarding sector	47
		5.5 Freight forwarding market dynamics	48
		5.6 Freight forwarding profitability	51
		<b>6.0 Contract Logistics</b>	<b>52</b>
		6.1 Emergence of a global industry	53
		6.2 Selecting the right logistics service provider	54
		6.3 Financial contracts	55
		6.4 Sales cycle times, contracts and relationships	56
		6.4.1 Enhancing value through deeper relationships	57
		6.4.2 Collaboration	58
		<b>7.0 European road freight</b>	<b>59</b>
		7.1 Structure of the road freight industry	60
		7.2 Drivers of growth	63

7.3 Cost structure	64	11.4 Intermodal solutions in the automotive sector	93
7.4 Road freight rates	65		
7.5 Profitability and company failure	66	<b>12.0 Total logistics market size and forecast</b>	<b>94</b>
7.6 Cabotage	67	12.1 Total logistics market size definitions and methodology	95
<b>8.0 Express parcels</b>	<b>68</b>	12.2 Total logistics market size – Global	98
8.1 The origins of the express parcels industry	69	12.2.1 Total logistics market size – Global forecast	99
8.2 Market definitions and structure	70	12.3 Total logistics market size –Asia Pacific	100
8.3 Express operating model - hub and spoke	71	12.3.1 Total logistics market size – Asia Pacific forecast	101
8.4 Long-term trends in the express sector	72	12.4 Total logistics market size – Europe	102
		12.4.1 Total logistics market size – Europe forecast	103
<b>9.0 Air cargo</b>	<b>73</b>	12.5 Total logistics market size – North America	104
9.1 Development of the air cargo industry	74	12.5.1 Total logistics market size – North America forecast	105
9.2 Market growth	75	<b>13.0 Supply chain technologies</b>	<b>106</b>
9.3 Industry players	76	13.1 Increasing supply chain complexity	107
9.4 The air cargo chain	77	13.2 What is supply chain management software?	108
9.5 Air cargo routes	80	13.3 Supply chain executive systems	109
		13.3.1 Transport Management Systems (TMS)	110
<b>10.0 Shipping</b>	<b>81</b>	13.3.2 Warehouse Management Systems (WMS)	111
10.1 The origins of the modern industry	82	13.3.3 Global Trade Management Systems (GTM)	112
10.2 Shipping economics	83	13.3.4 International Transport Management Systems (ITMS)	113
10.3 The structure of the shipping industry	84	13.3.5 Freight exchanges	114
10.4 Consolidation in the shipping industry	85		
10.5 Key growth lanes	86	<b>14.0 Supply chain dynamics of vertical sectors</b>	<b>115</b>
		14.1 Automotive logistics	116
<b>11.0 European rail and intermodal sector</b>	<b>87</b>	14.1.1 Automotive manufacturing logistics	116
11.1 European policy	88	14.1.2 Production concepts in automotive logistics	117
11.2 What is intermodal transport?	89	14.1.3 Supply chain geography of the automotive sector	118
11.2.1 Demand side	90	14.1.4 Dealerships, retailing and logistics	119
11.2.2 Supply side	90	14.1.5 Different types of inbound logistics operations	120
11.3 How is the market structured?	91		

14.2 Pharmaceutical logistics	122	16.2.2 Reverse logistics	146
14.2.1 Trends in pharmaceutical logistics	122	16.2.3 Delivery points	147
14.2.2 The global pharmaceutical logistics market	123	16.3 Logistics costs for online retailers	148
14.2.3 The role of the outsourced logistics provider	124		
14.3 Consumer goods and retail logistics	125	<b>17.0 Supply chain innovation and disruption</b>	<b>149</b>
14.3.1 Trends in consumer goods and retail logistics	125	17.1 The end of 'business as usual'	150
14.3.2 Consumer packaged goods (CPG) sector	126	17.2 Supply chain logistics: Ripe for disruption	151
14.3.3 Regionalisation of supply chain geographies	127	17.3 The 'Internet of Things'	152
14.3.4 Durable goods supply chains	128	17.4 Augmented reality	153
14.3.5 Retail supply chain trends	129	17.5 Drones	154
14.3.6 Diversification of retailer product offering	130	17.6 Autonomous vehicles	155
14.4 High tech supply chains	131	17.6.1 Autonomous transport in warehouses	156
14.4.1 Trends in high tech supply chains	131	17.7 3D printing	157
14.4.2 Transport of high tech goods	132		
14.4.3 High tech logistics services	133	<b>18.0 Ethical and sustainable supply chain strategies</b>	<b>158</b>
14.5 Spare parts logistics	134	18.1 Profits, planet and people - the 'triple' advantage	159
14.5.1 Field services/ spare parts logistics	134	18.2 Environmental issues in supply chain and logistics	161
		18.3 Government policy and transport emissions	162
<b>15.0 Risks in global supply chains</b>	<b>135</b>	18.3.1 Road freight	163
15.1 Rebalancing 'external' and 'internal' risks	136	18.3.2 Air cargo	164
15.2 Quantifying supply chain risk	138	18.3.3 Rail and intermodal	165
15.3 Types of supply chain risk	139	18.3.4 Shipping	166
15.4 External threats to supply chains	140	18.3.5 Warehousing	167
15.5 Unknown unknowns...	141	18.4 Ethical supply chains	168
15.6 Sector resilience to threats	142	18.4.1 Upstream supply chain issues	168
		18.4.2 Downstream supply chain issues	169
<b>16.0 The e-commerce logistics phenomenon</b>	<b>143</b>	18.4.3 End-of-life reverse logistics	169
16.1 e-commerce trends	144		
16.2 The impact of e-retailing on logistics	145	<b>Contact Ti</b>	<b>170</b>
16.2.1 Warehousing and fulfilment	145		



**Prof John Manners-Bell** is Chief Executive of Ti, Honorary Visiting Professor at the London Metropolitan University's Guildhall Faculty of Business and Law and an adviser to the World Economic Forum.

He has over 25 years' experience working in and analysing the global logistics sector. John holds an MSc in Transport Planning and Management from University of Westminster and is an Associate of King's College London. He is a Fellow of the UK Chartered Institute of Logistics and Transport and former Chair of the Supply Chain and Logistics Global Advisory Council of the World Economic Forum. He has also advised the European Commission Directorate-General for Energy and Transport. He has written three books on the industry – 'Global Logistics Strategies: Delivering the Goods', 'Supply Chain Risk: Understanding Emerging Threats to Global Supply Chains' and 'Logistics and Supply Chains in Emerging Markets'. His second book, 'Supply Chain Risk' won the Mention Speciale ACA-Bruel Prize for supply chain literature in 2014.



Having obtained a Masters in Economics **David Buckby** is now Ti's resident Economist. David manages one of Ti's core strengths, that of quantitative analysis of a range of logistics markets, including sizing and forecasting.

David contributes to the GSCi portal, Ti Reports and consultancy projects. He also is author of many briefs for Ti's Logistics Briefing service. His key interests are the economics of the logistics sector, emerging markets and statistical modelling.

The global logistics industry is vast, both in terms of market size and the huge numbers of people employed in the sector. It is therefore surprising that its role in the development of the global economy is generally overlooked. Without the inexpensive and reliable transport of freight, manufacturers would not be able to tap into the cheap labour resources based in remote locations throughout the world. Nor would retailers be able to provide ever-increasing levels of service to their customers, ensuring shelves are always stocked whilst inventory is kept to a minimum.

This report will look at all the pressures which have led to the emergence of today's vibrant global logistics industry – from both the 'demand' (i.e. manufacturing and retailing) and the 'supply' (i.e. logistics provider) side perspective. In addition to the roles of the contract logistics and freight forwarding sectors, it also examines the dynamics of the express parcels, container shipping, air cargo, road freight and intermodal industries. Whilst global macro-trends are highly important to the long term future of these sectors, conversely it is the structure and competitive nature of these sectors which has a 'bottom up' influence on supply chain management and hence global economies. For example, hyper-fragmentation and price competition in the European road freight industry has been a key input into the formulation of manufacturers' and retailers' centralised distribution strategies.

What is clear is that after a turbulent period of transformation, there is no sign that change in the logistics industry is slowing down. A powerful mix of demand and supply side factors

means that further re-structuring is possible, if not probable. The shift of the economic balance of power towards Asia; increasing supply chain risk; the price of oil; further mergers and acquisitions and even near-shoring/re-shoring are just some of the 'known' issues which logistics providers will need to contend with.

More worryingly (at least for those who lack the flexibility to change) is a raft of innovative and disruptive business models which could transform demand for logistics services as well as facilitate the entrance of new players. Some innovations will have an impact on just part of the logistics process, for example, improving efficiency within a warehouse. Others have the potential to be far more systemic. For example, the impact which mobile apps (such as Uber) could have on the downstream movement of parcels, through the use of private cars or indeed public transport. 3D Printing; the Internet of Things and Big Data; smart phone technology; robotics; autonomous vehicles and augmented reality are just a few innovations which will become mainstream in the next few years, forcing logistics companies to adapt their operating models, or become marginalized.

Twenty years ago nobody would have considered that e-commerce would have revolutionized retailing; that a post office (Deutsche Post) would be a market leader in the international express, contract logistics, road and freight forwarding sectors or that China would be so important to the world's logistics industry. It is likely that in another twenty years the market environment will be even more unrecognisable.

- 1.0 What is shaping the global logistics markets
- 2.0 An industry in transformation: Consolidation
- 3.0 Logistics market development by geography
- 4.0 The emergence of logistics clusters
- 5.0 Freight forwarding
- 6.0 Contract Logistics
- 7.0 European Road Freight
- 8.0 Express parcels
- 9.0 Air cargo
- 10.0 Shipping
- 11.0 European rail and intermodal sector
- 12.0 Total logistics market size and forecast
- 13.0 Supply chain technologies
- 14.0 Supply chain dynamics of vertical sectors
- 15.0 Risks in global supply chains
- 16.0 The e-commerce logistics phenomenon
- 17.0 Supply chain innovation and disruption
- 18.0 Ethical and sustainable supply chain strategies



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