

Chart 1

World Electronic Equipment Monthly Shipments

Converted @ Fluctuating Exchange Rates

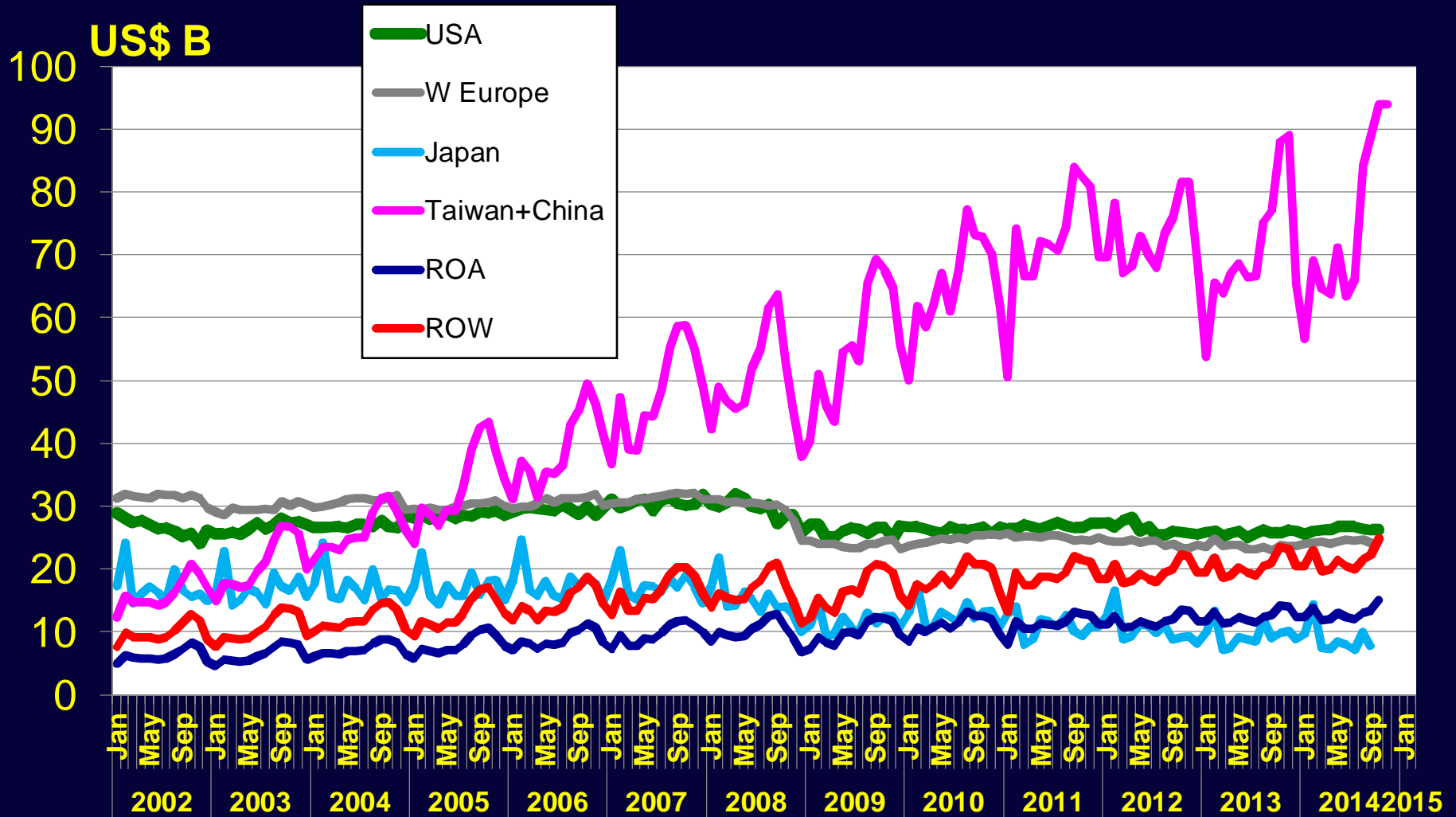


Chart 2

World Electronic Equipment Monthly Shipments

Converted @ Fluctuating Exchange Rates

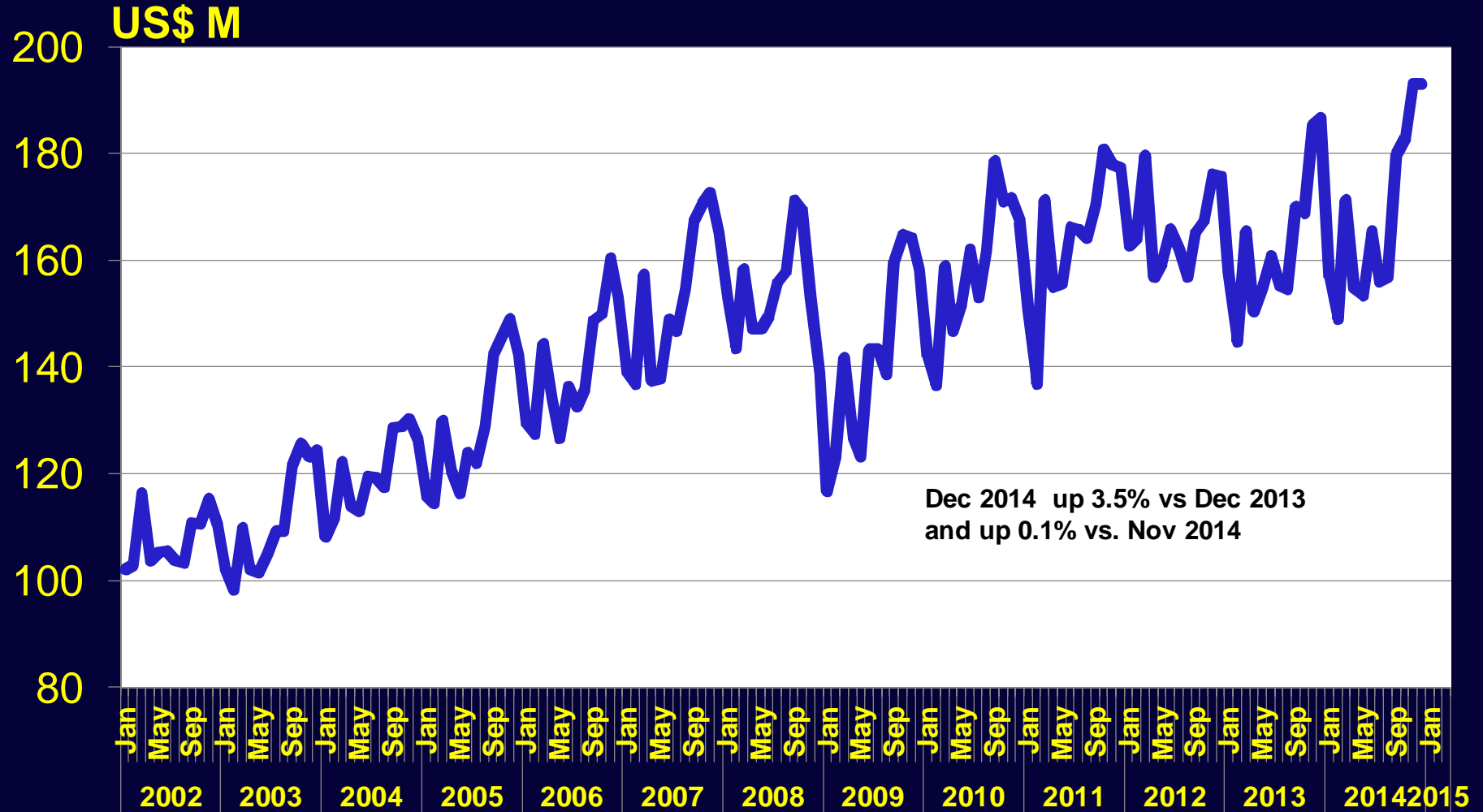
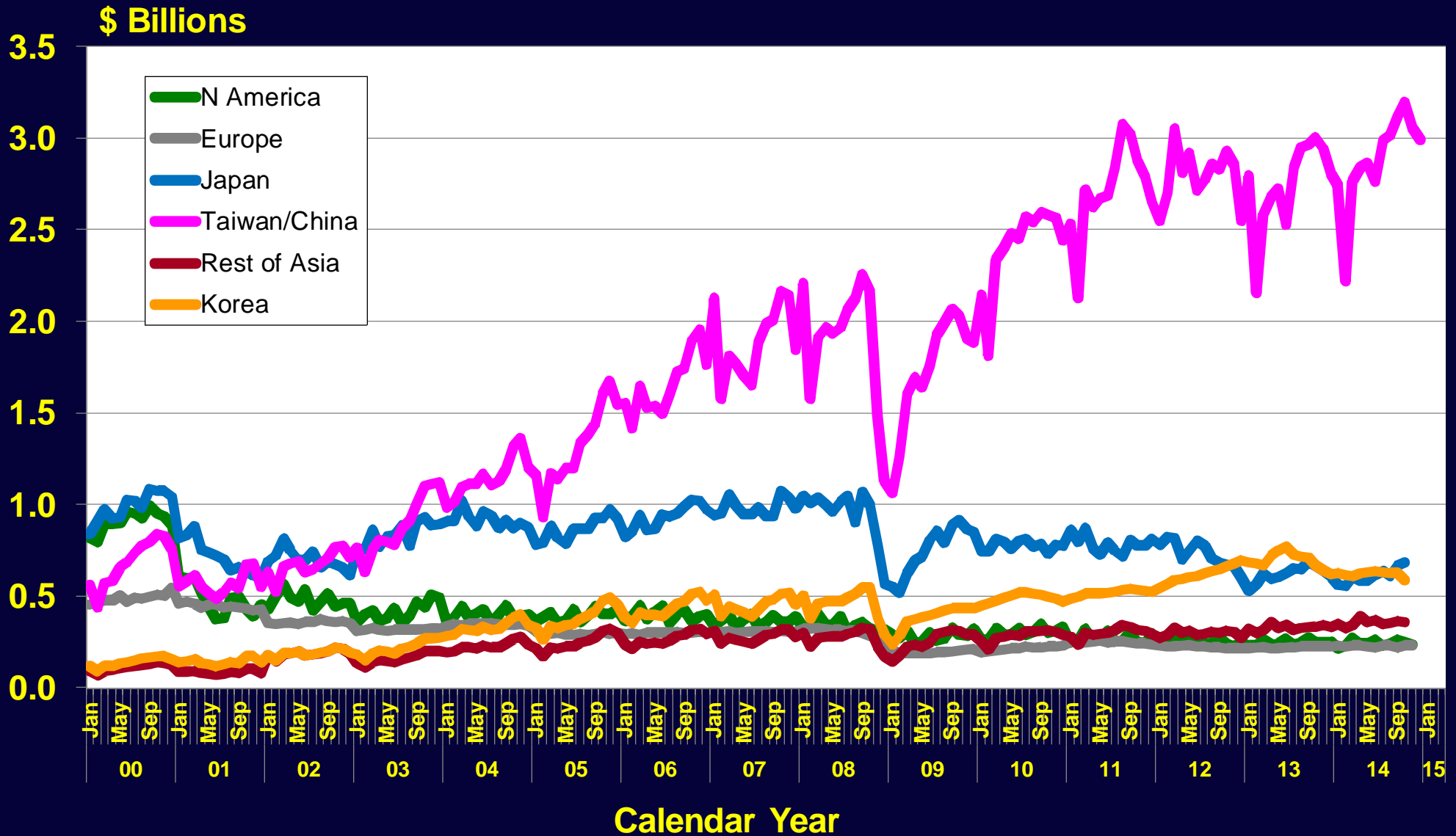


Chart 3

World PCB Monthly Shipments

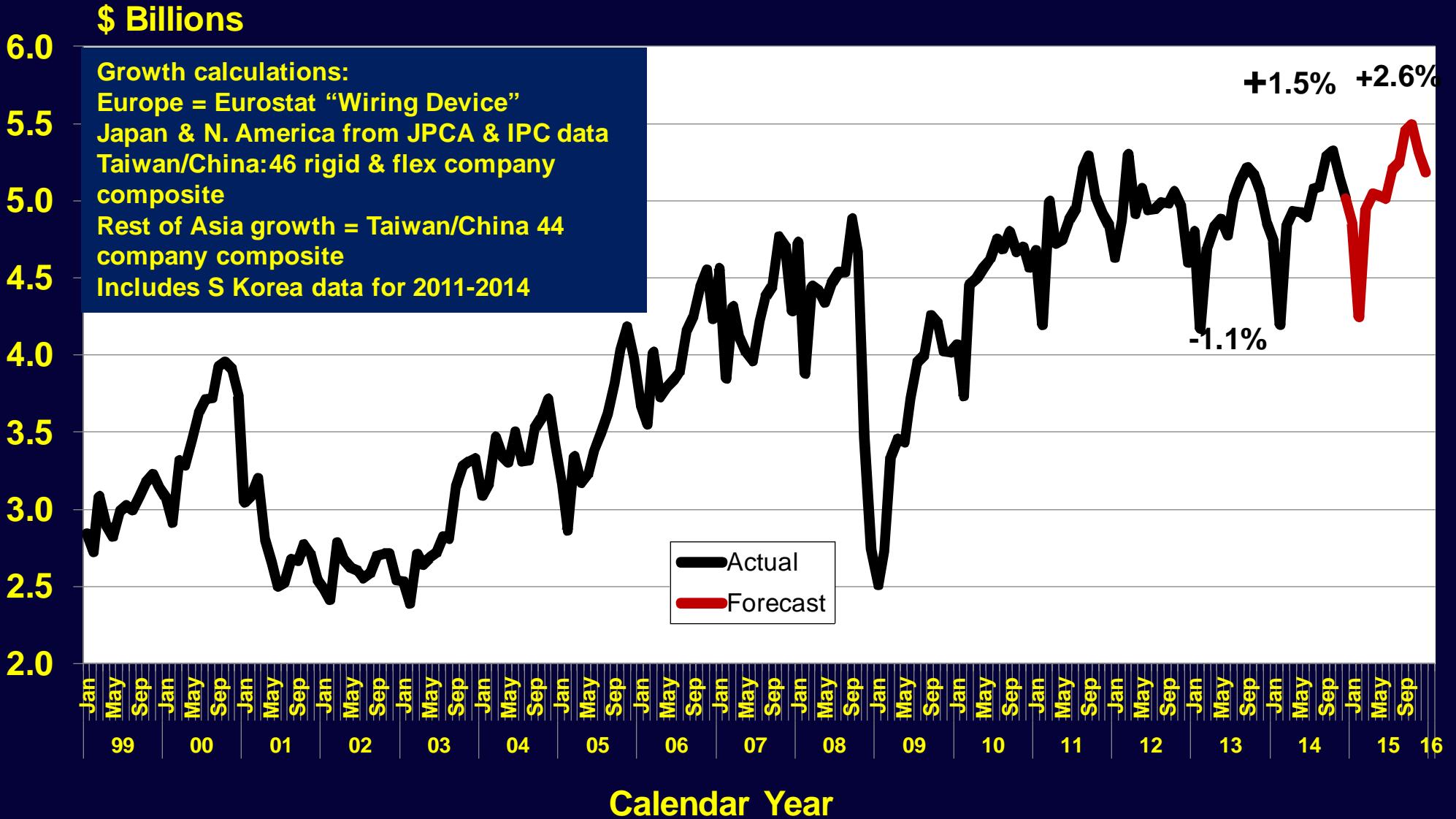
Converted @ Fluctuating Exchange Rates



Source: Custer Consulting Group

Chart 4

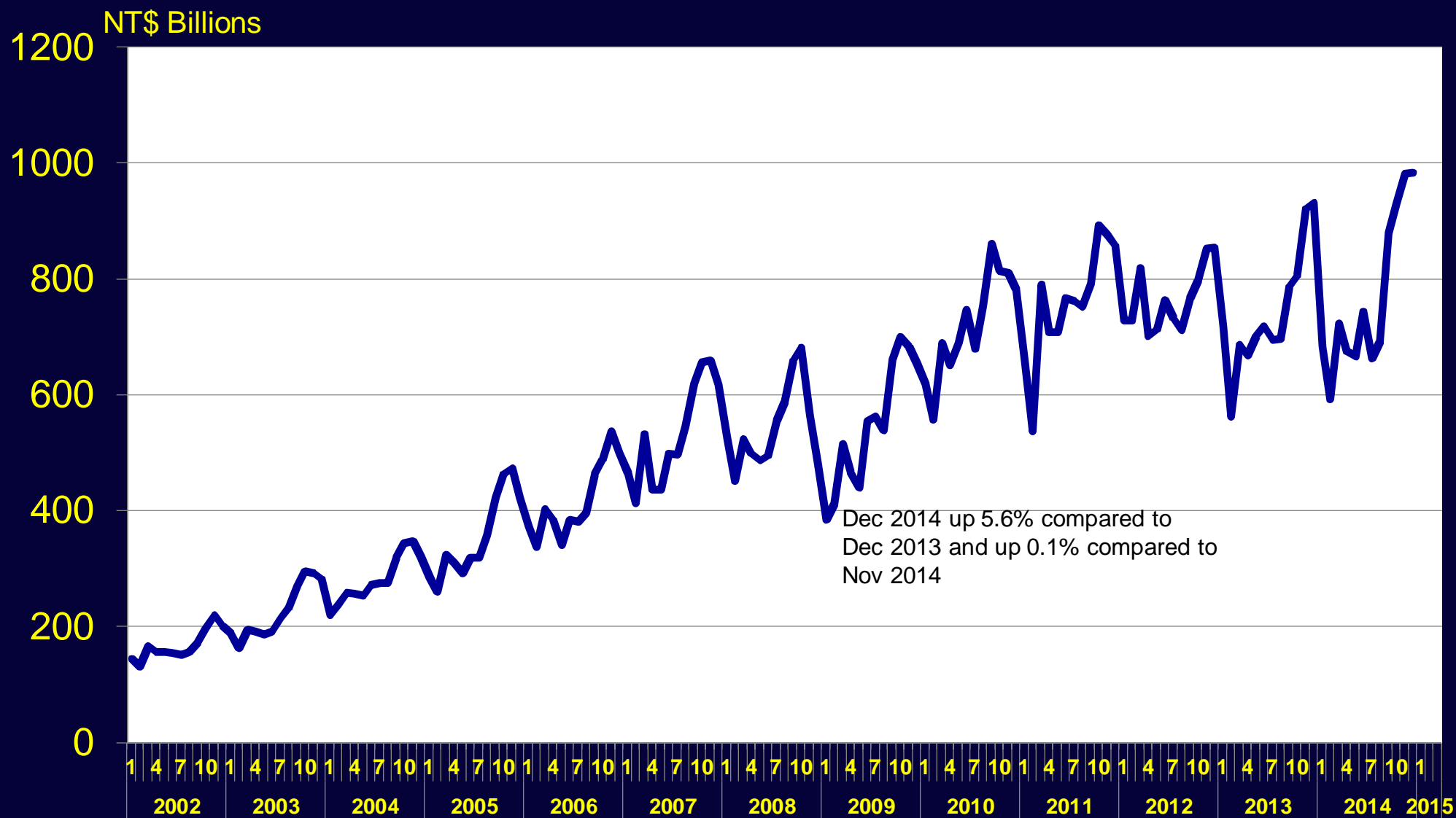
World PCB Shipments (with forecast) Converted @ Fluctuating Exchange Rates



Source: Custer Consulting Group - 2010 base year expanded by monthly growth of N. American, European, Japanese & Taiwan/China monthly PCB shipments

Taiwan/China Electronic Equipment Producers Composite of 101 Manufacturers Consolidated Revenue

Chart 5

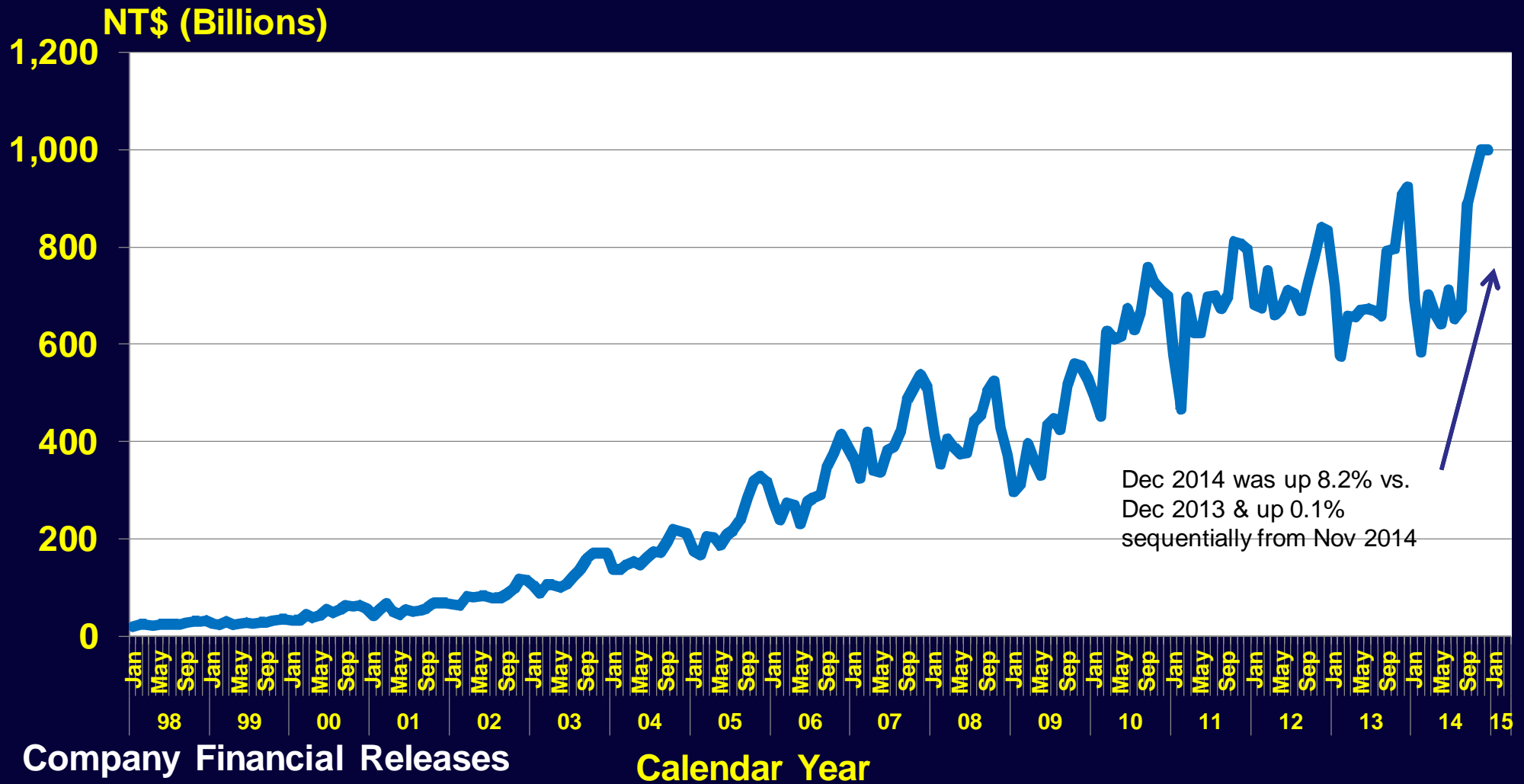


Taiwan listed companies, often with significant manufacturing in China

Chart 6

Taiwan ODM Companies

Composite Sales of 11 Large Manufacturers



Asustek Computer, Chei Mei, Compal Electronics, Foxconn, Chimei Innolux, Inventec, Inventec Appliance, Lite On Technology, Mitac International, Pegatron, Quanta Computer, Wistron, Chei Mei Display replacing Chei Mei & Innolux Display 3/10 & later

Large Taiwan ODM Providers

2014 vs. 2013 Sales (\$M)

	<u>2014</u>	<u>2013</u>	<u>2014/2013 Growth %</u>
Foxconn (Hon Hai)	139,032	130,474	+6.6%
Pegatron	33,632	31,365	+7.2%
Quanta Computer	30,566	29,051	+5.2%
Compal Electronics	27,909	22,857	+22.1%
Wistron	19,534	21,341	-8.5%
Asustek Computer	15,747	15,292	+3.0%
Inventec	14,376	15,215	-5.5%
Chimei Innolux	14,145	13,949	+1.4%
Lite On Technology	7,611	7,022	+8.4%
Total	302,552	286,566	+5.6%

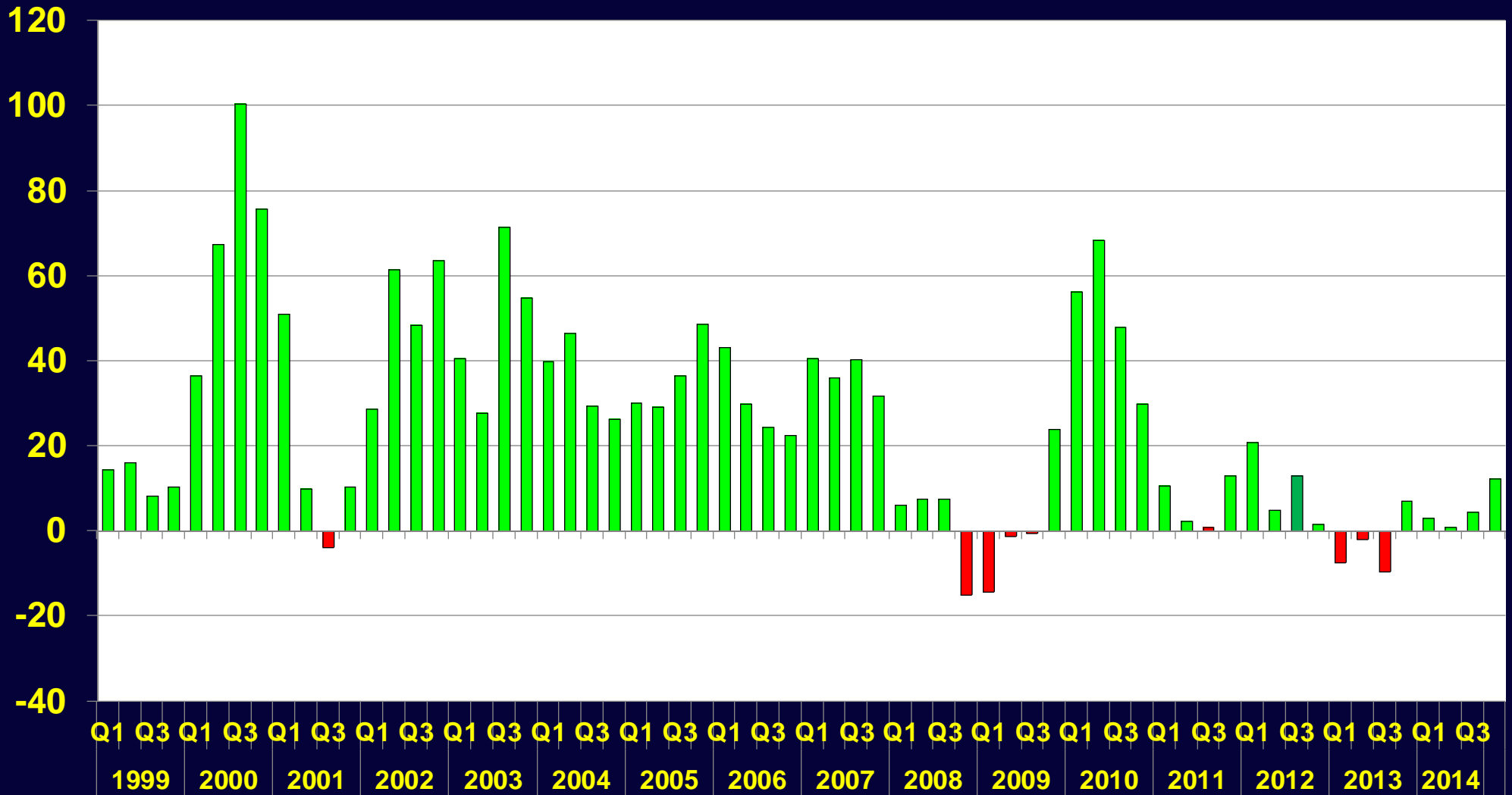
Source: Company data, NT\$ converted at constant avg 2014 exchange (30.306NT\$ = 1US\$)
Consolidated company sales

Chart 8

Large ODM Companies

Composite of 10 Public Manufacturers

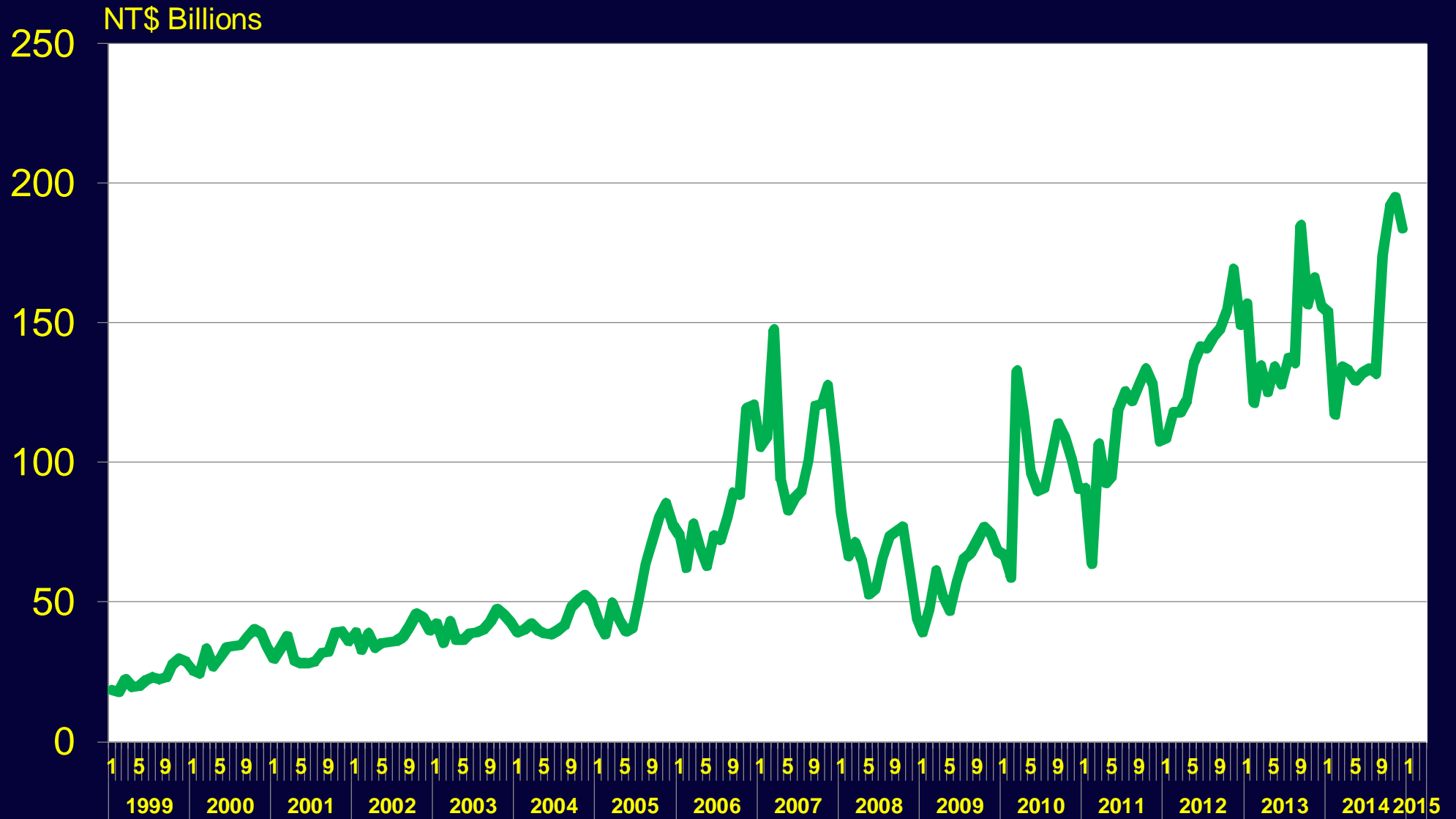
Quarterly Revenue Growth



Asustek Computer, Compal Electronics, Foxconn, Chimei Innolux, Inventec, Inventec Appliance, Lite On Technology, Mitac International, Pegatron, Quanta Computer, Wistron

Chart 9

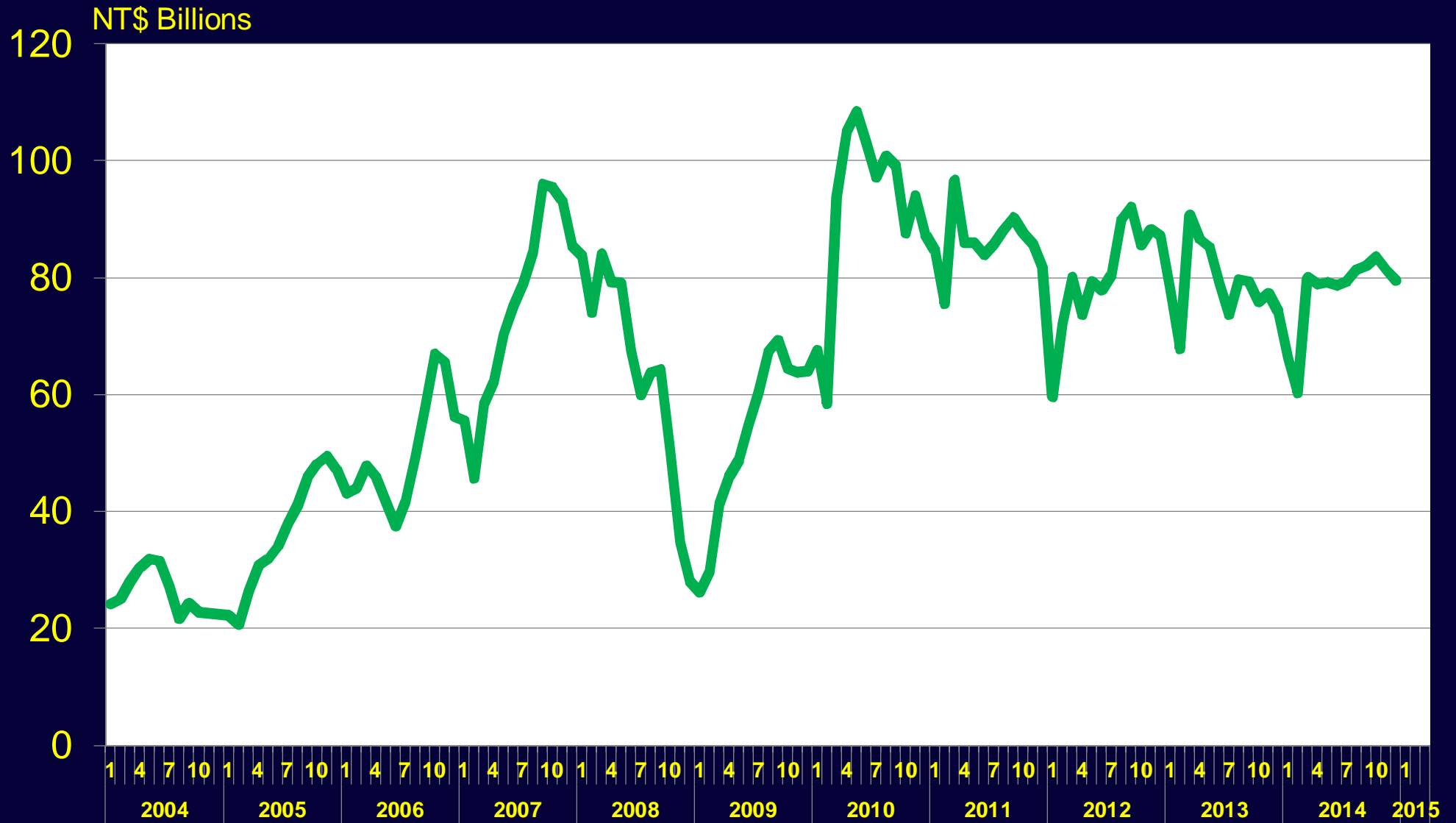
Taiwan/China Motherboard Vendor Sales Composite of 22 Manufacturers



Taiwan listed companies, often with significant manufacturing in China

Chart 10

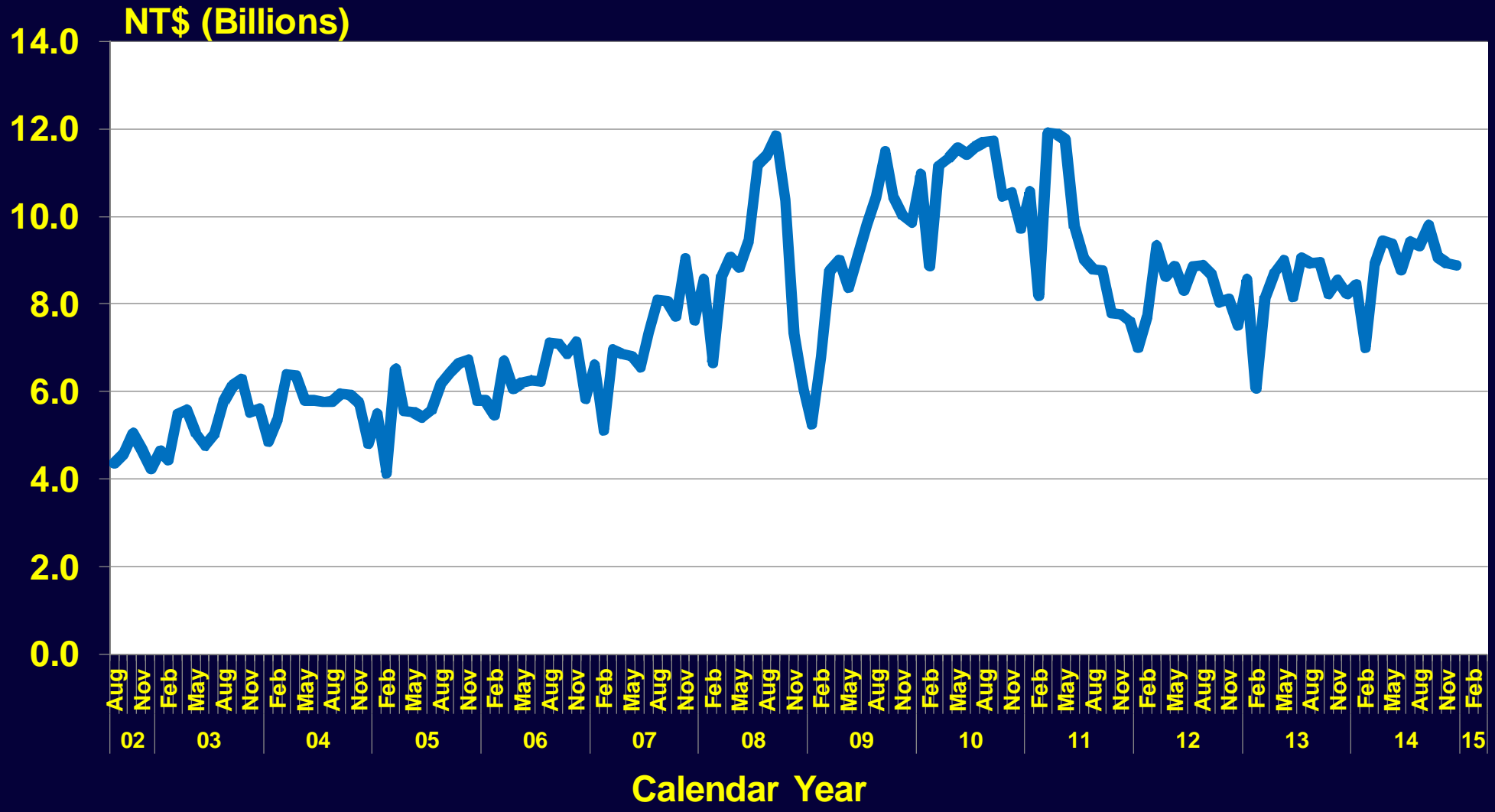
Taiwan Display Producers Composite of 6 TFT-LCD Panel Manufacturers



Taiwan listed companies, often with significant manufacturing in China

Chart 11

Taiwan Passive Component Companies Composite of 25 Manufacturers



Chilsin Electronics, Cyttec, (FCE) Feei Cheng Enterprise, Holy Stone Enterprise, 3H (Honey Hope Honesty Enterprise), HJC (Hua Jung Components), Inpaq, Jaan Chem Technological, Kaimei Electronic, King Core Electronics, Laser Tek, Leatec Fine Ceramics, Lelon Electronics, Linton Technology, PTTC (Polytronics Technology Corp), PDC (Prosperity Dielectrics Co), Ralec Electronic, Ta-I Technology, Taiwan Alpha Electronic, Team Young Advanced Ceramics, Teapo Electronic, Thinking Electronic Industrial, WTC (Walsin Technology Corp), Yageo, YCTC (Yeh-Chiang Technology Corp)

Chart 12

Taiwan Solar/Photovoltaic Panel Companies Composite of 27 Manufacturers

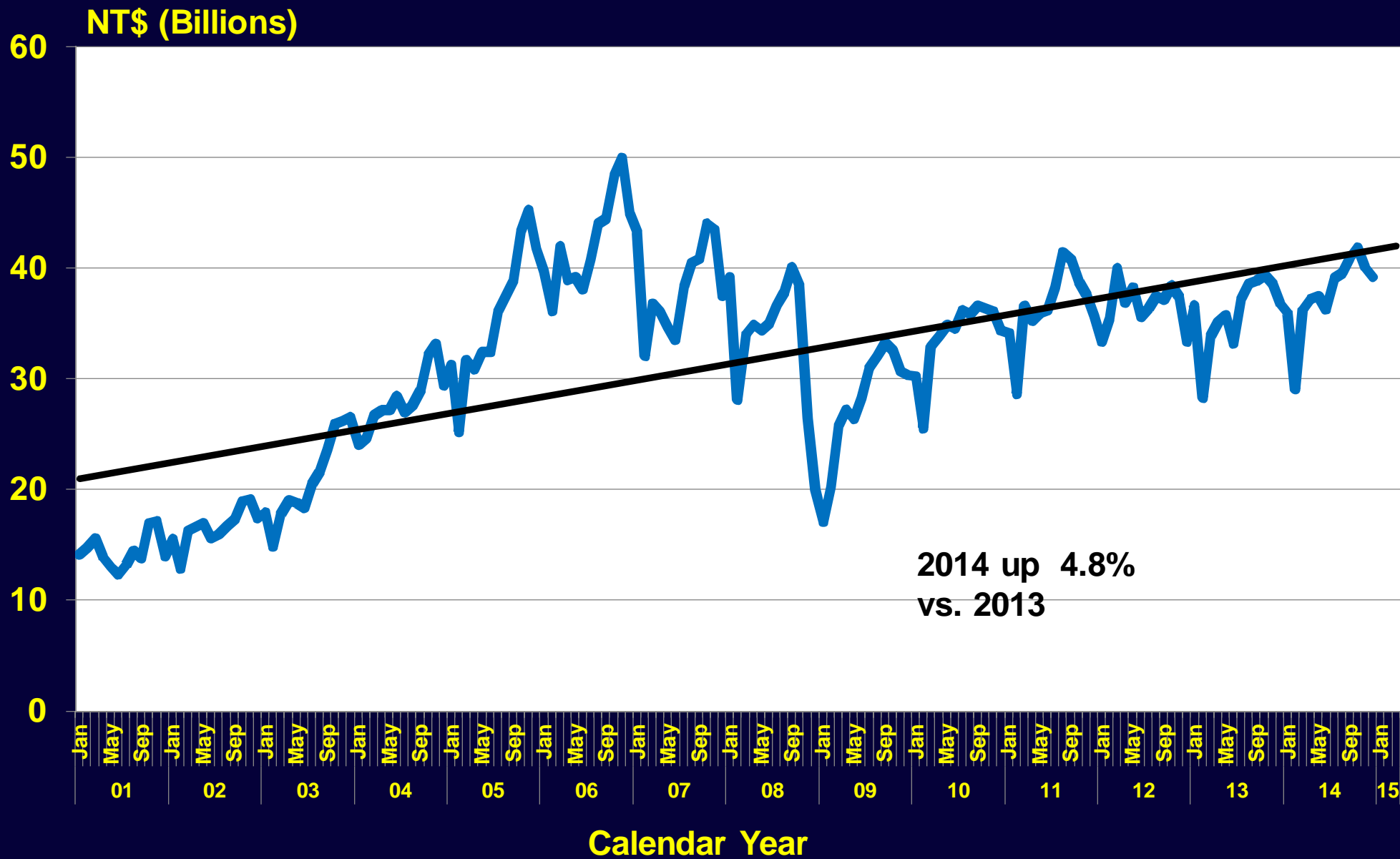


Acter, Big Sun Energy Technology, Chen Full Intl, Danen Technology, Daxon Technology, DeISolar, Delta Electronics, e_TON Solar Tec, Invetec Group, Eversol, Gigasolar materials, Gintech, Green Energy Technology (GET), Higher Way Elec, Kenmec Mechanical, Ligitek, Motech, Neo Solar Power, Phoenixtec Power Co (PPC), Powermate, Precision Silicon, Sino-American Silicon Products (SAS), Solar Applied Materials Technology, Solartech Energy Corp, Sunrise Global Solar Energy, Sysgration, Tainenergy Tech, Tera Autotec, Tyntek, Wafer Works, Wholetech System Hitech

Chart 13

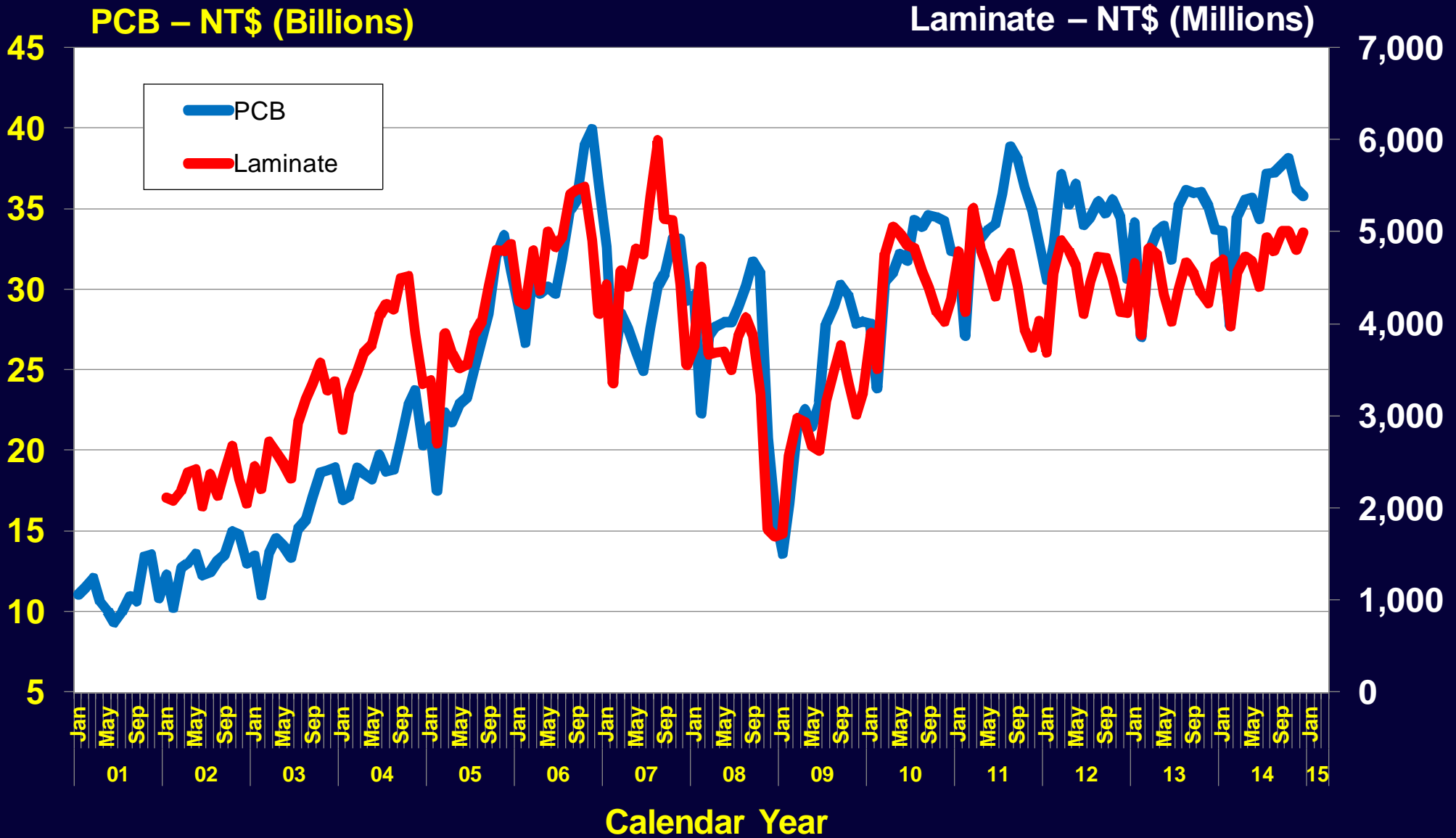
Taiwan Rigid & Flex PCB Shipments

Broad Composite of 46 Taiwan-listed Manufacturers



Taiwan Shipments

42 Rigid PCB & 8 Laminate Manufacturers



Industrial Production - Europe

Index (2010 Avg. Month = 100, Seasonally Adjusted)

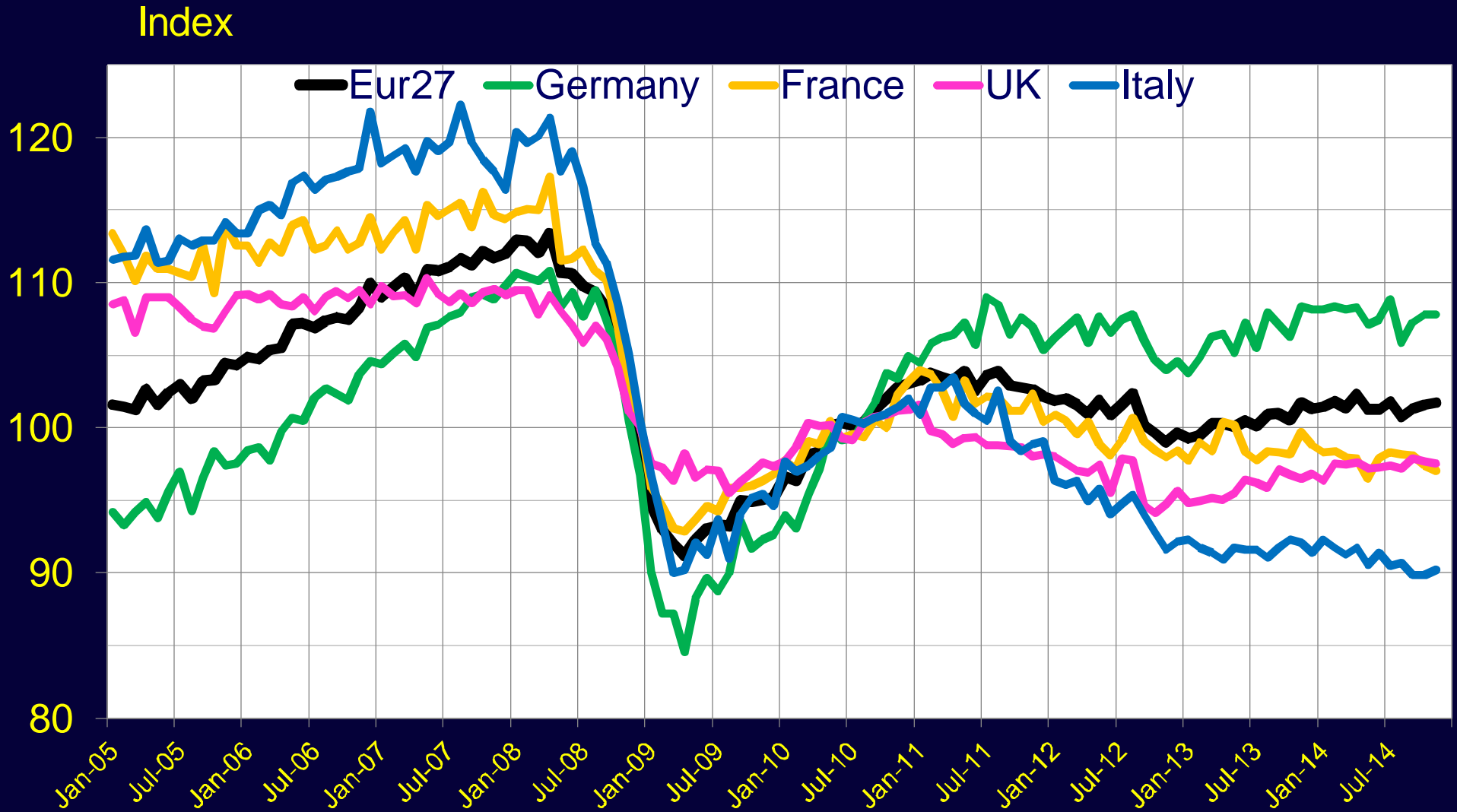
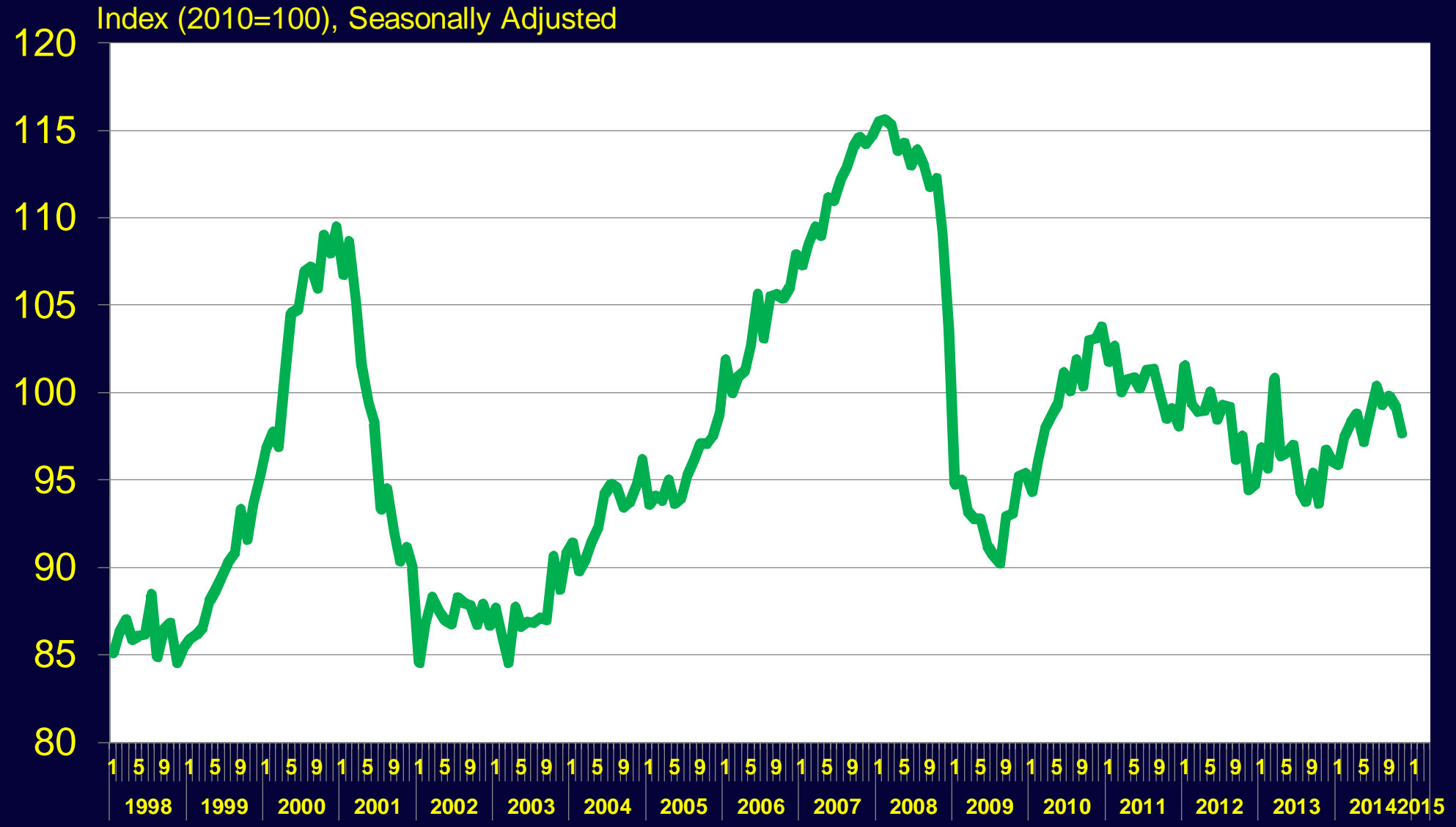


Chart 16 European Computer, Electronic & Optical Products Production



Europe- EU27

Manufacture of computer, electronic & optical products

12/12 & 3/12 Rate of Change

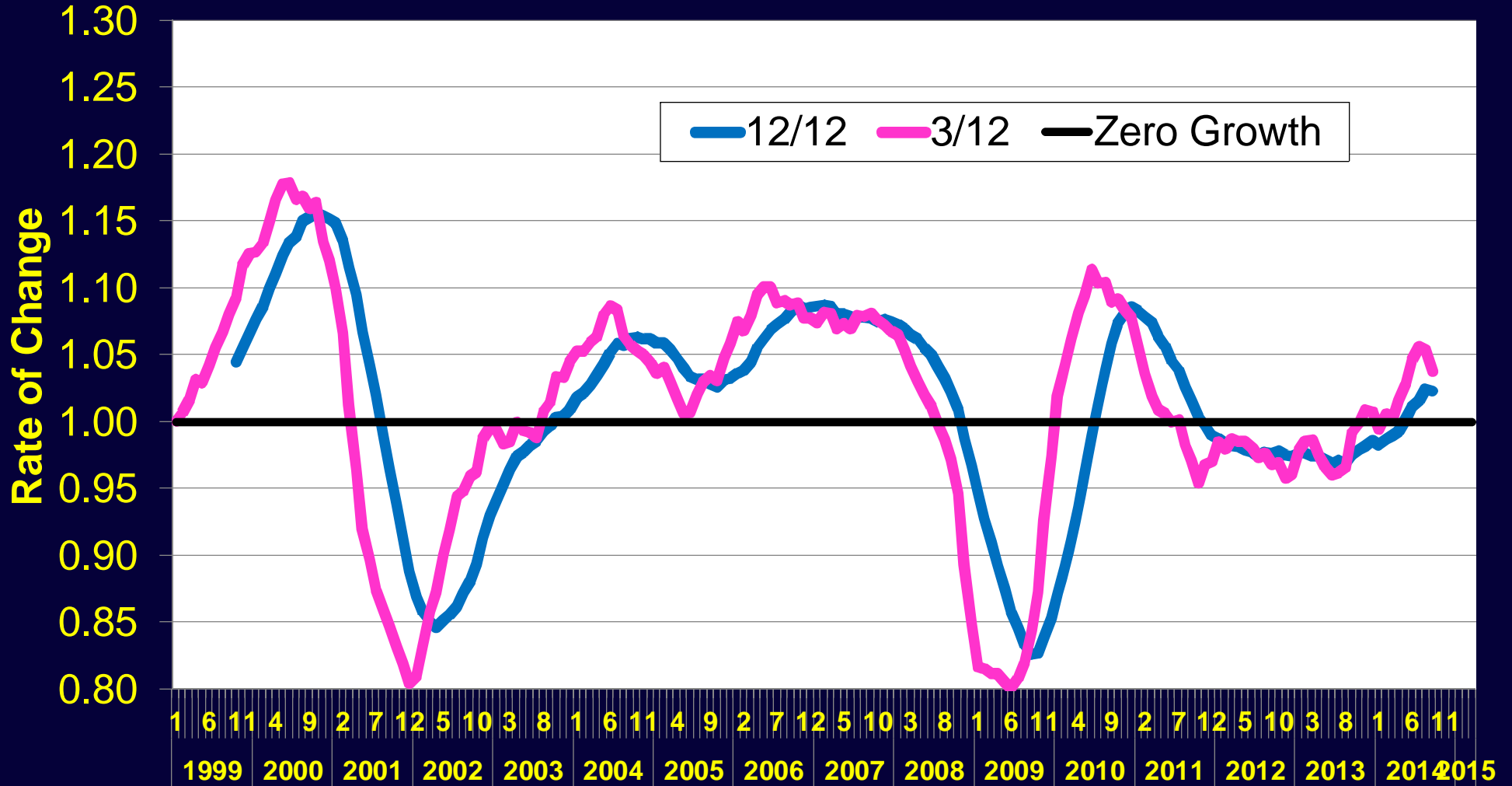


Chart 18

European Motor Vehicle Production

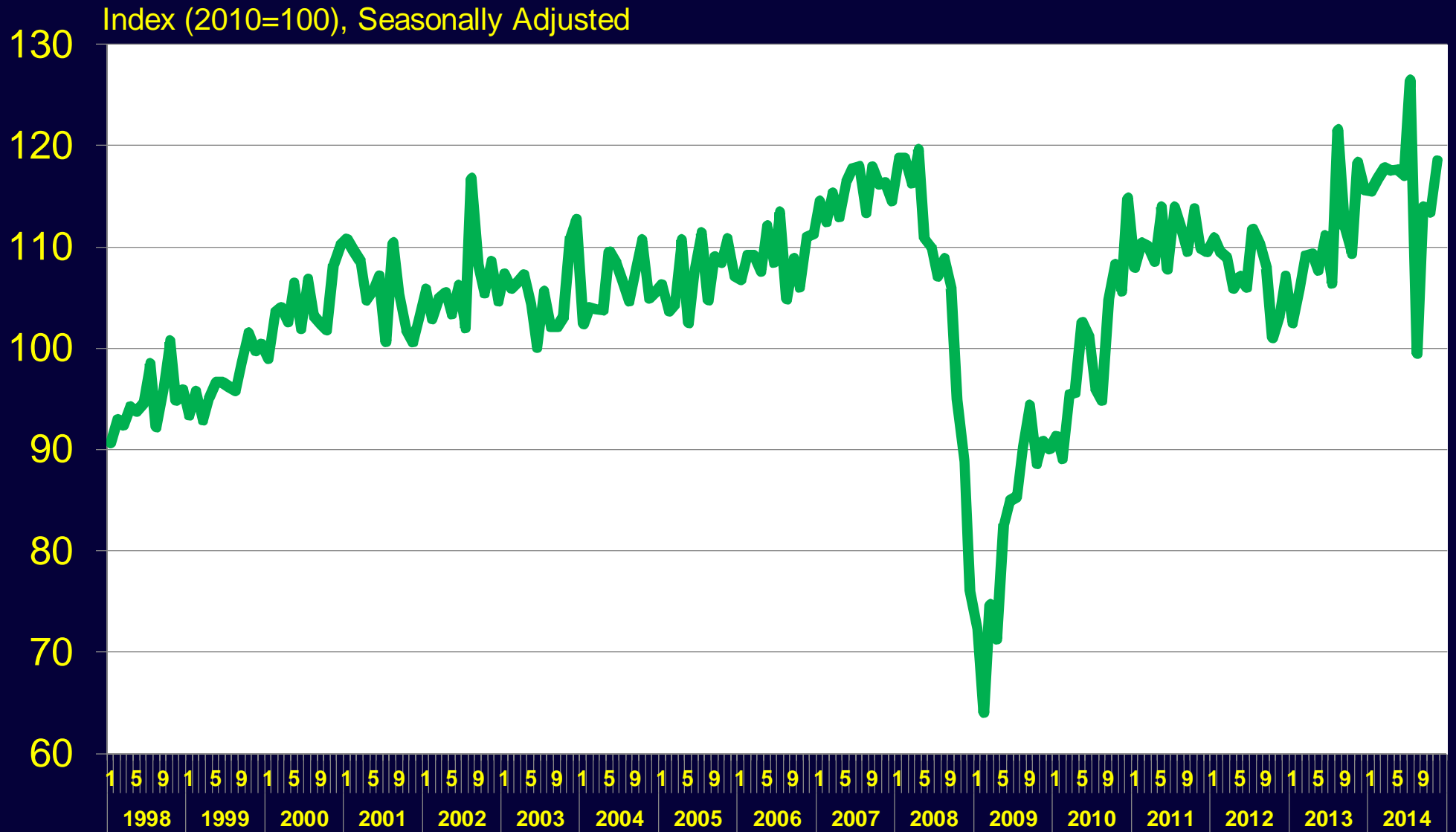


Chart 19

European Production - Aircraft, Spacecraft & Related Equipment

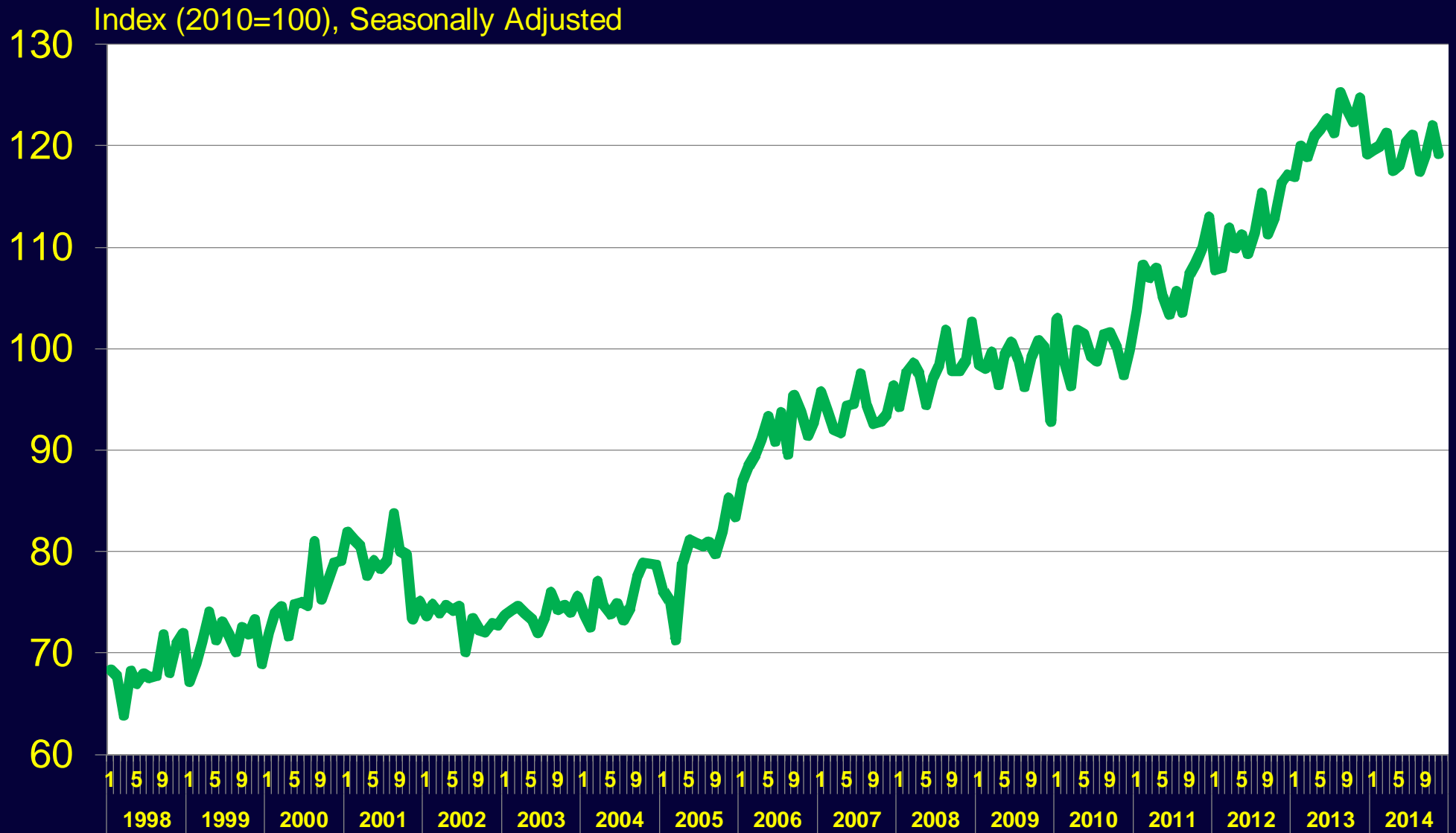


Chart 20

European Production - Instruments & Appliances for Measuring, Testing & Navigation

Index (2010=100), Seasonally Adjusted

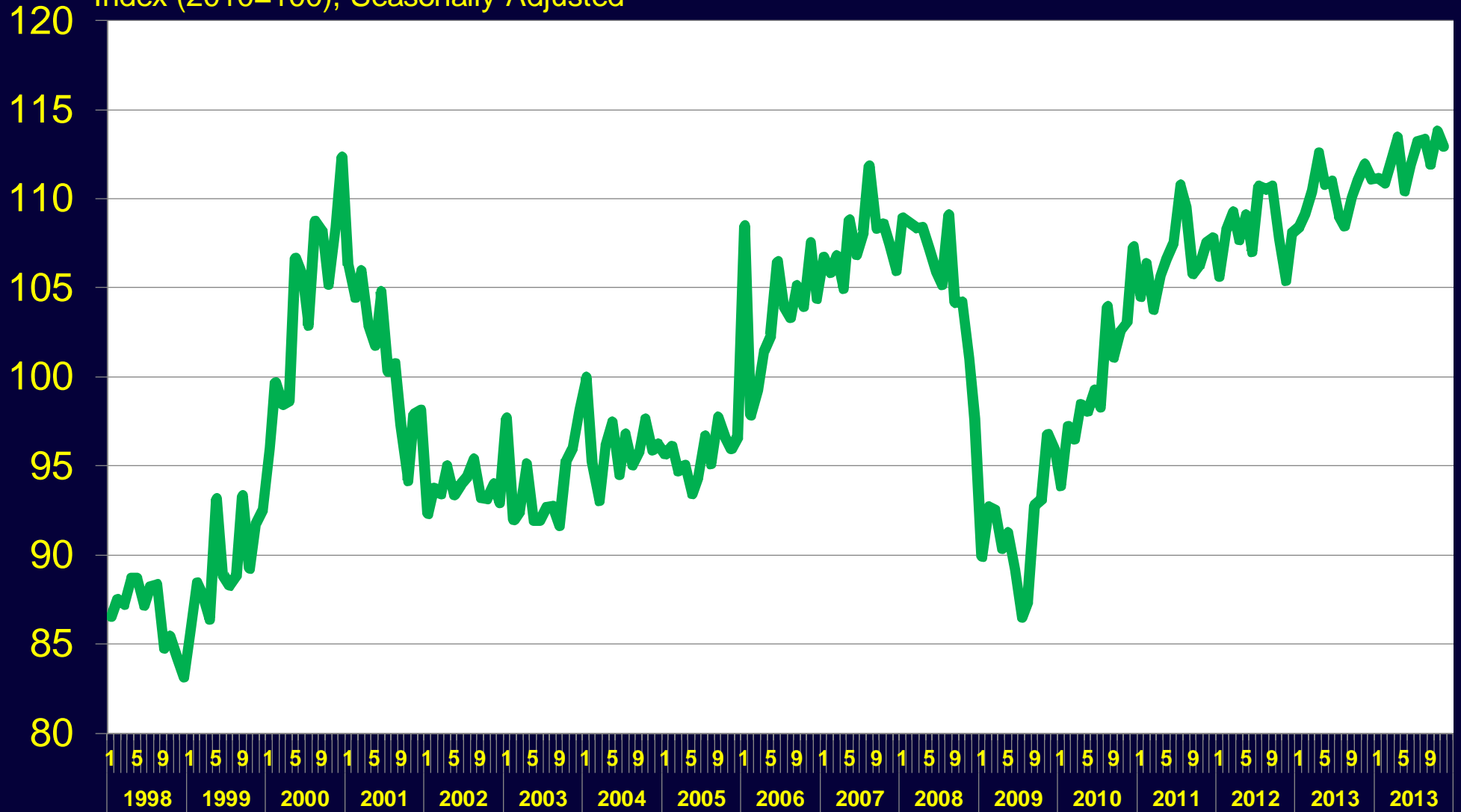


Chart 21

European Production - Irradiation, Electromedical & Electrotherapeutic Equipment

Index (2005=100), Seasonally Adjusted

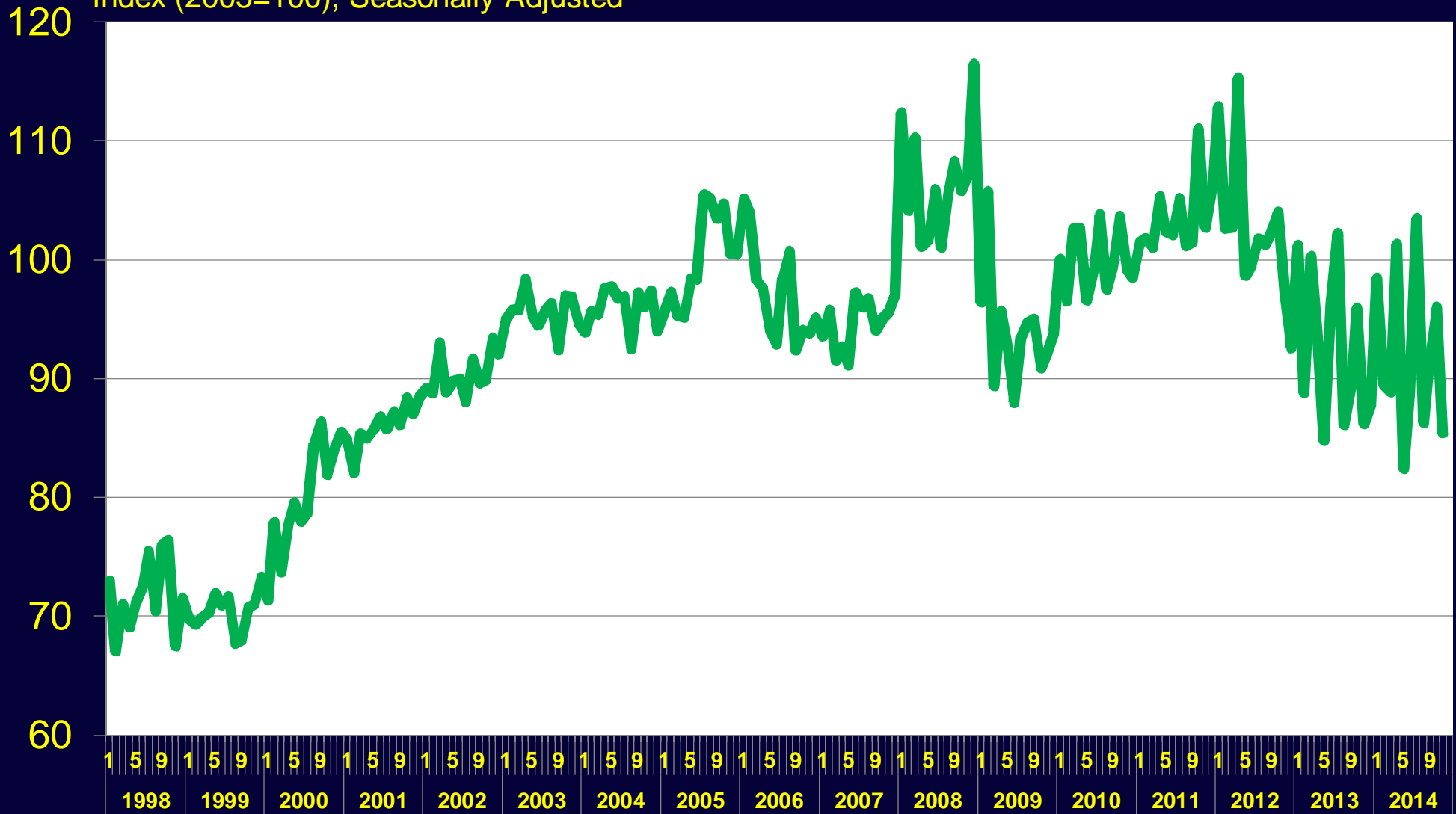
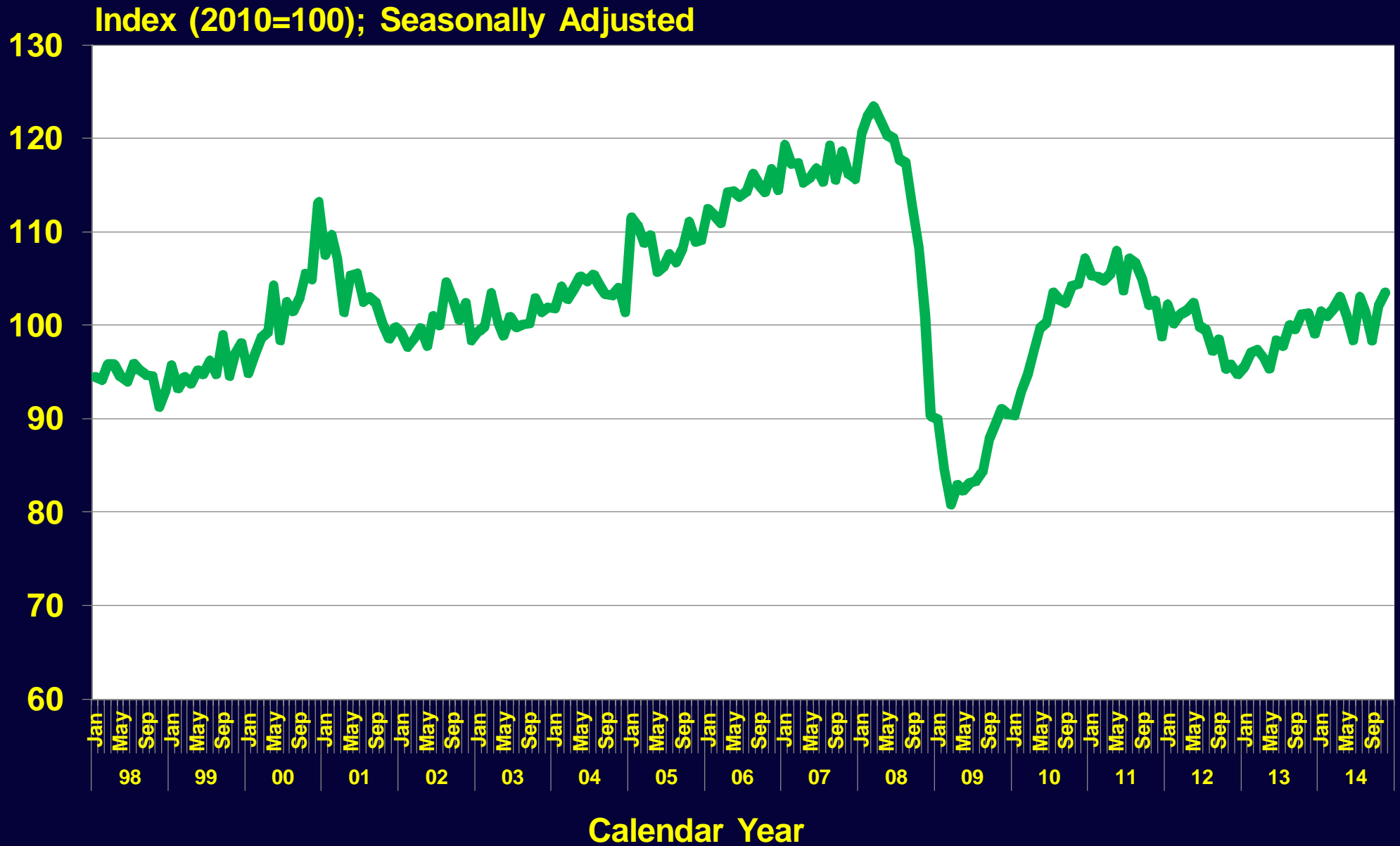


Chart 22

European Loaded Electronic Board Production

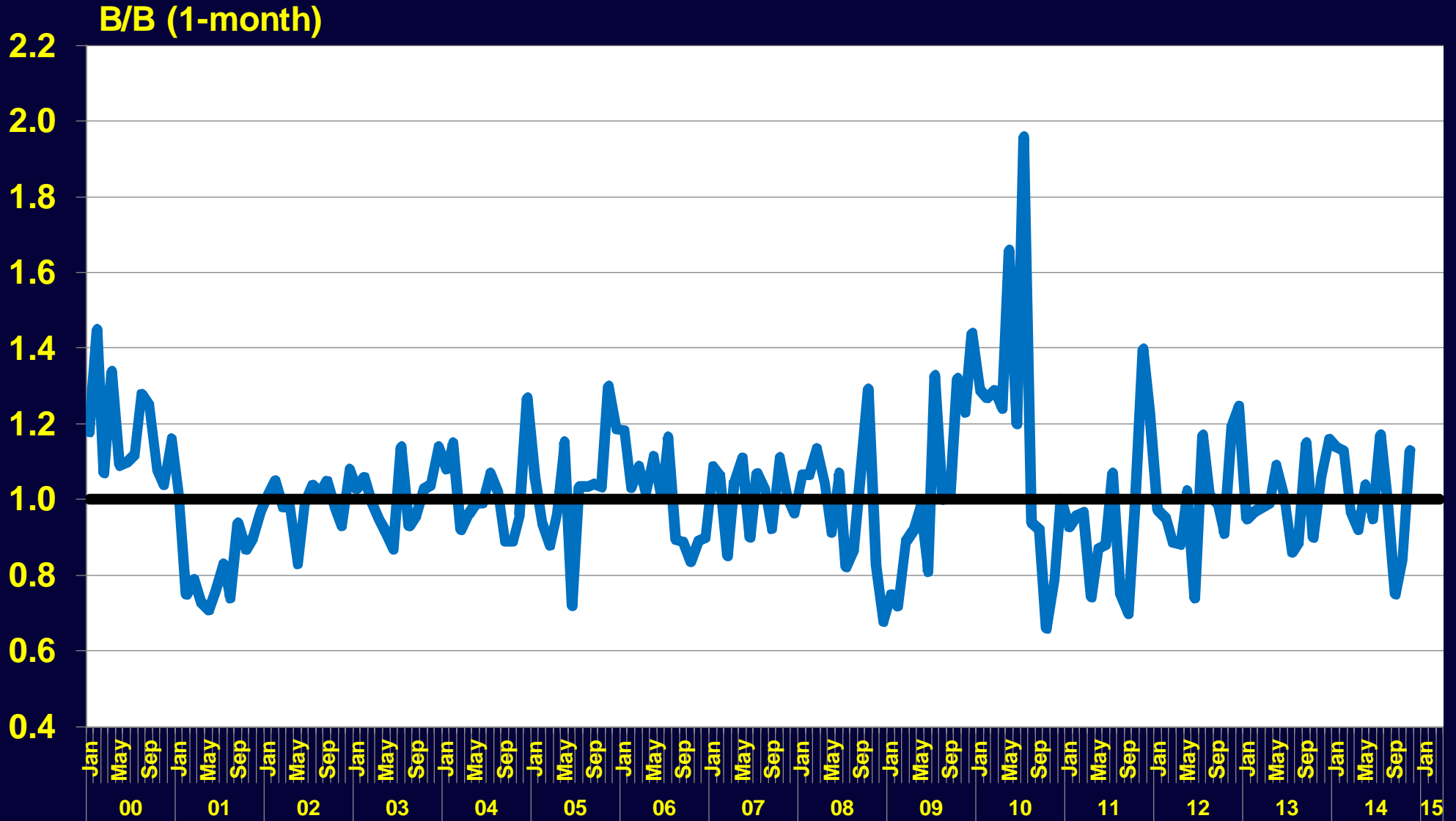


European Electronic Wiring Devices



PCB Book/Bill - ZVEI

Primarily German PCB Makers



Present Growth Rates (%)

European Electronics Industry

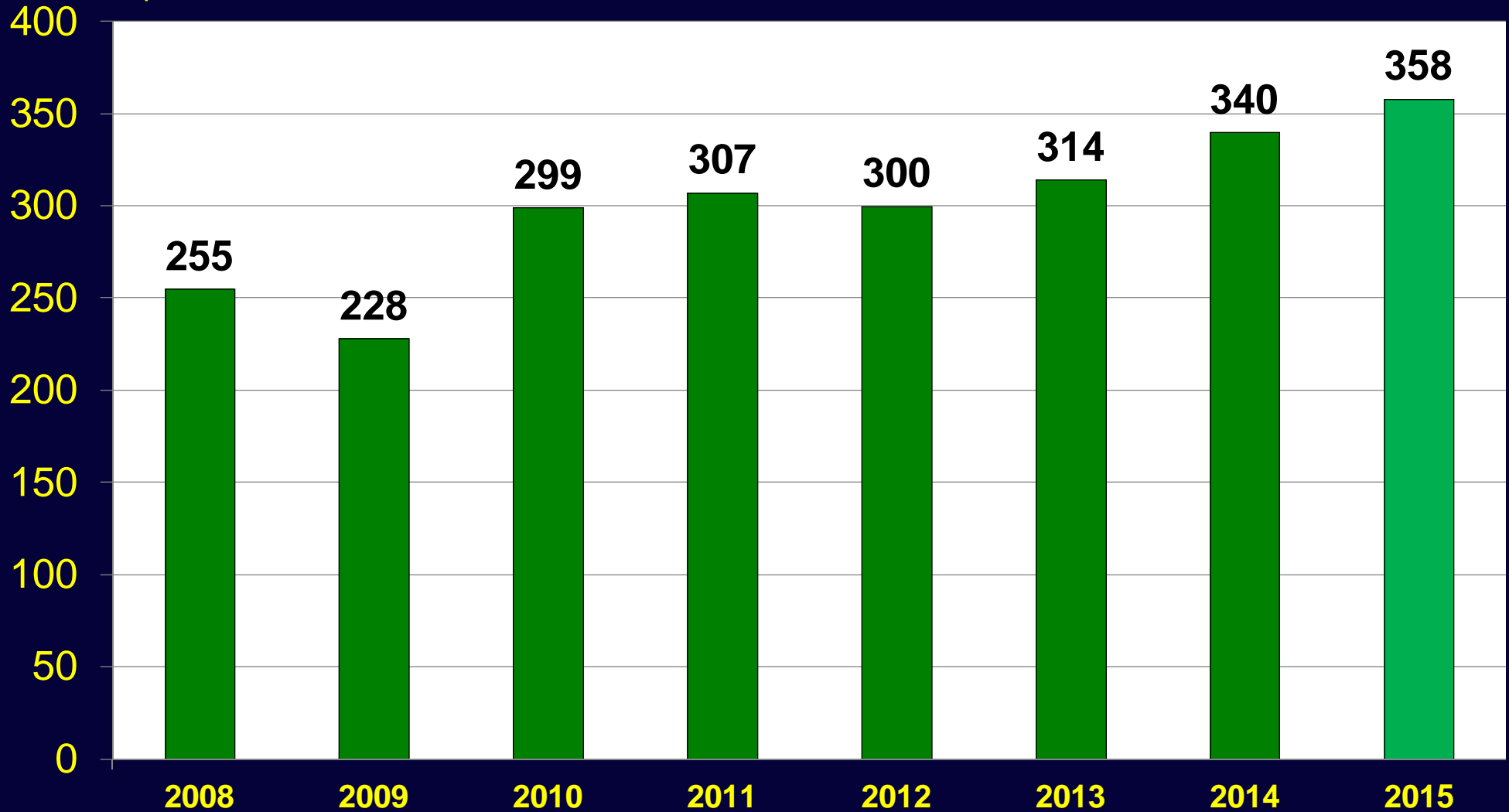
	Latest Month	Annual Growth Rate	3-Month Growth Rate
ELECTRONIC EQUIPMENT SHIPMENTS (Index CY 2010 =100)			
Computer, Electronic & Optical Products	11/14	102.3	103.8
Components & Boards	11/14	108.0	112.7
Wiring Devices	11/14	103.3	100.6
Loaded Electronic Boards	11/14	102.9	108.9
Office Equipment	11/14	85.7	80.0
Consumer Electronics	11/14	90.4	90.3
Electric Domestic Appliances	11/14	97.5	96.0
Electronic Instruments	11/14	101.9	101.7
Medical Electronics	11/14	98.5	100.7
Motor Vehicles	11/14	105.3	101.9
Air & Space Aircraft	11/14	98.6	97.2
Semiconductor Shipments (Eur) to Europe	11/15	107.1	110.0
Industrial Production	11/14	101.2	100.5

Chart 26

World Semiconductor Sales

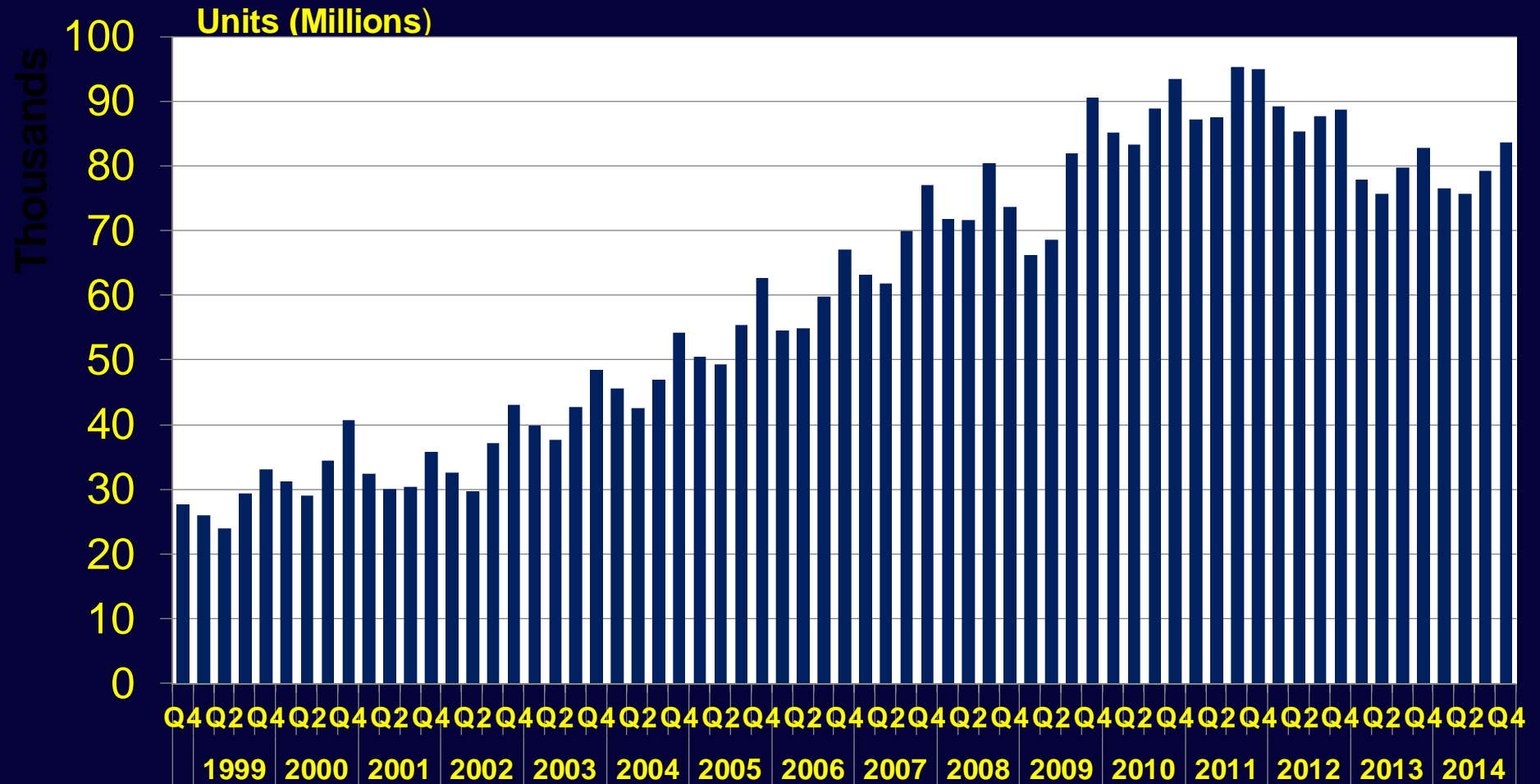
Total

\$ Billions



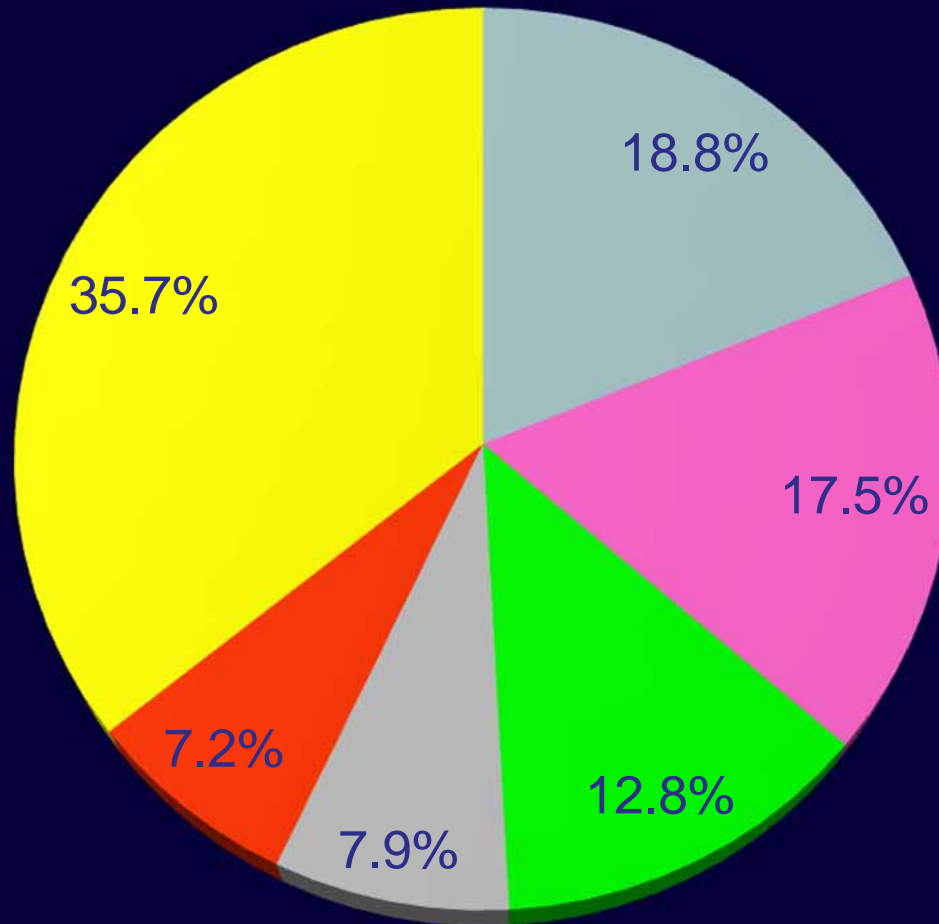
Personal Computer Unit Shipments

World
Units



Gartner Dataquest 1/15 & prior reports
Server & Media Tablets not included

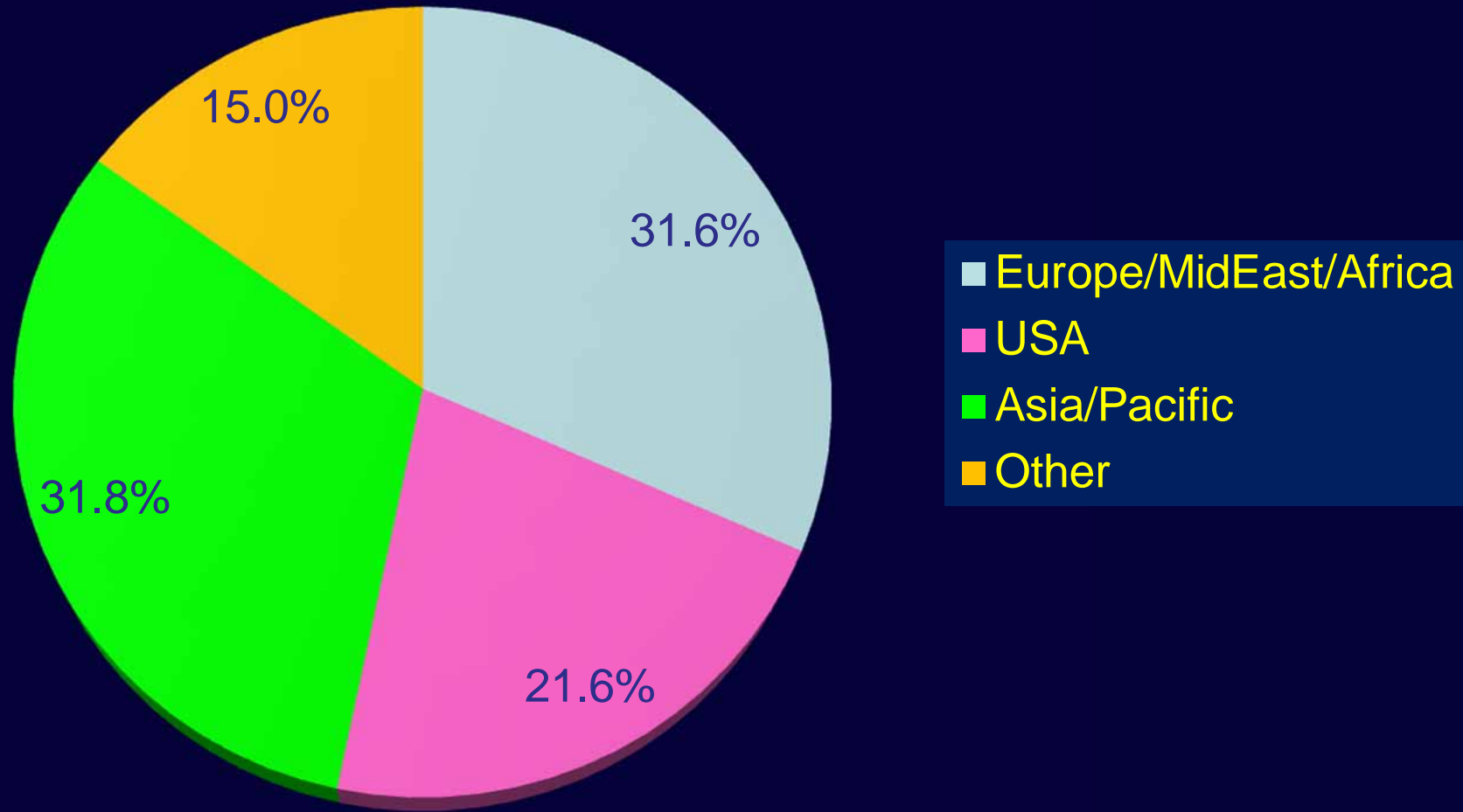
World Personal Computer Shipments 2014 Units



- Lenovo
- HP
- Dell
- Acer Group
- ASUS
- Others

TOTAL: 316 Million Units

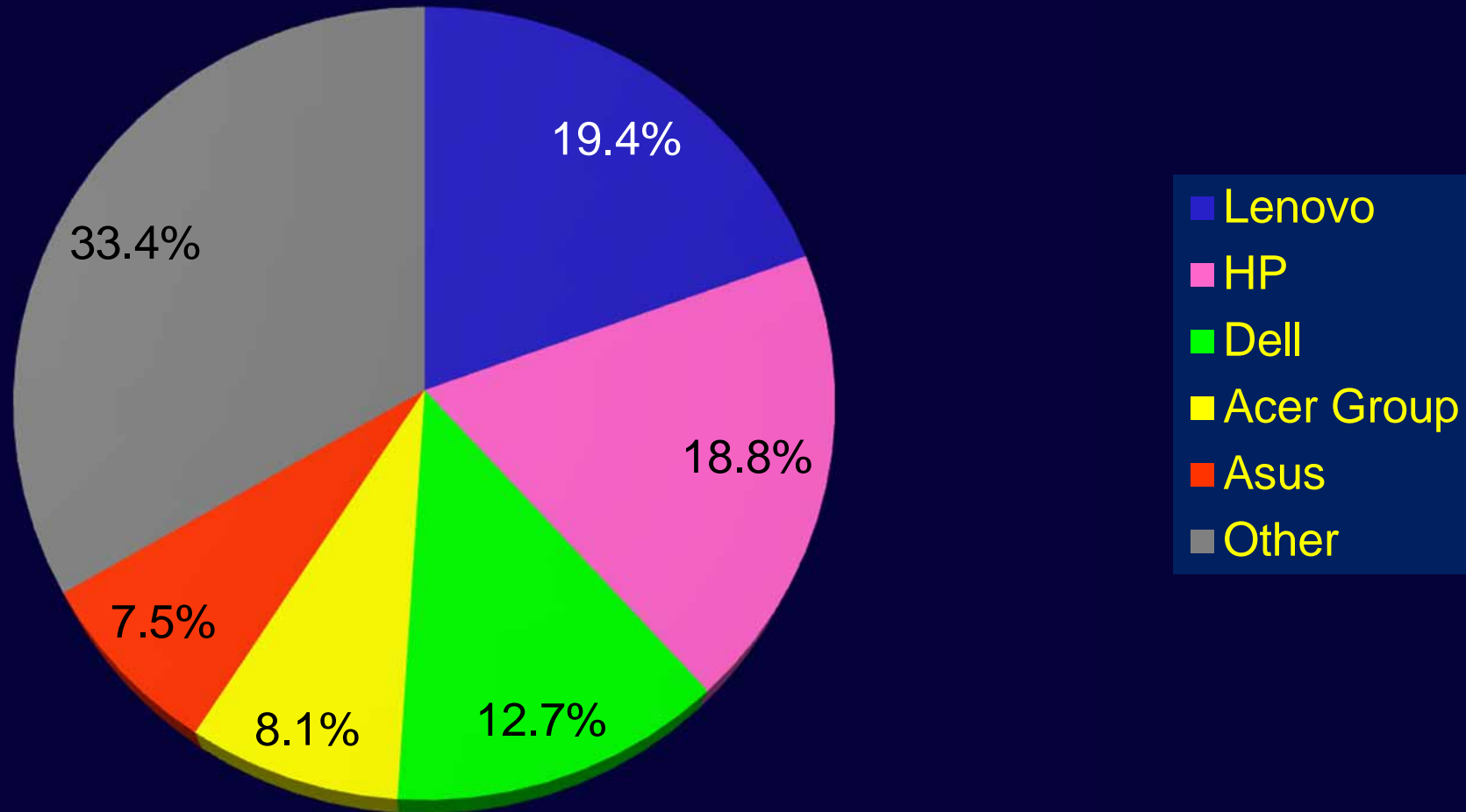
World Personal Computer Market 4Q'14



TOTAL: 83.7 Million Units

Includes desk-based PCs, mobile PCs, mini-notebooks but not Media Tablets

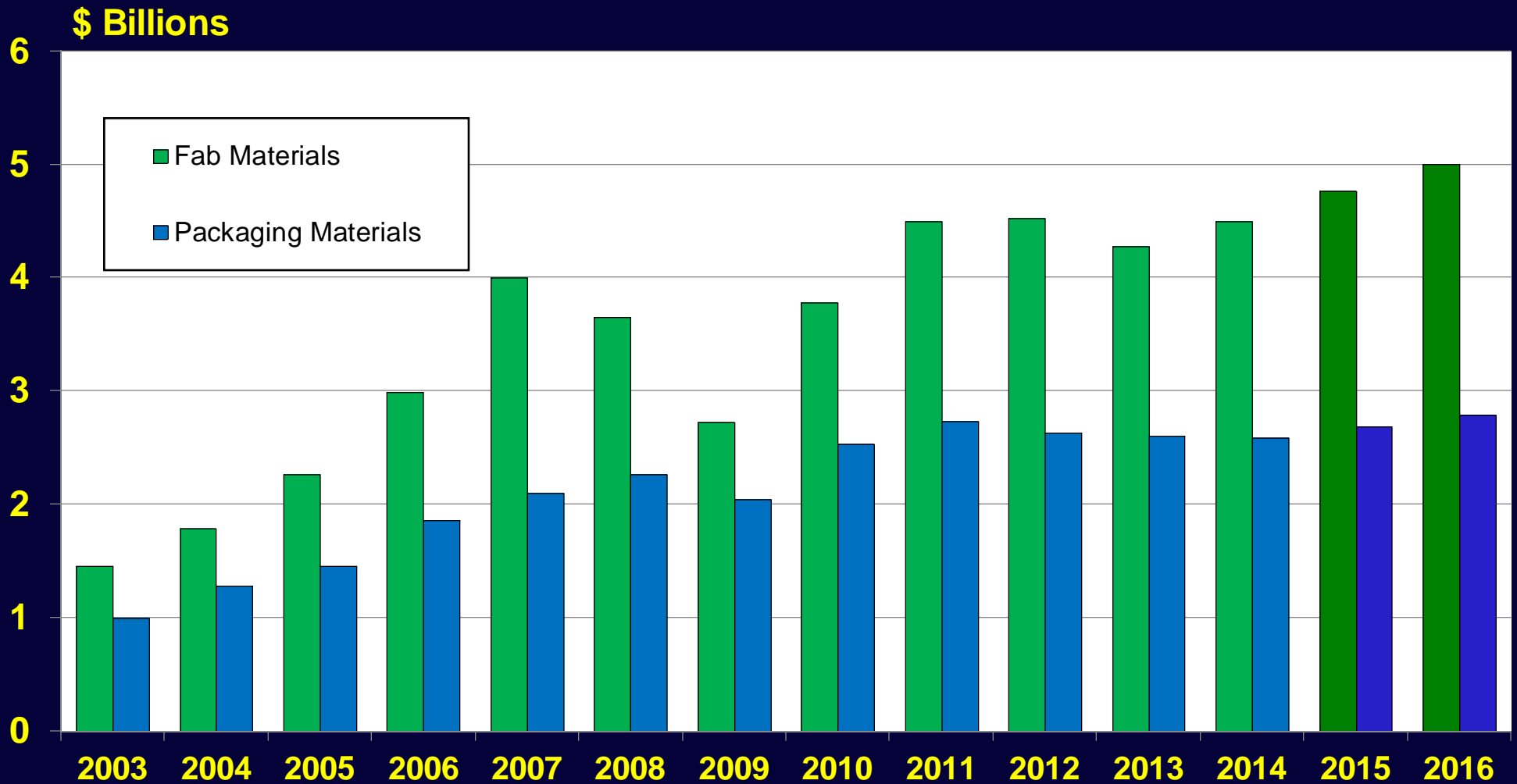
World Personal Computer Market 4Q'14



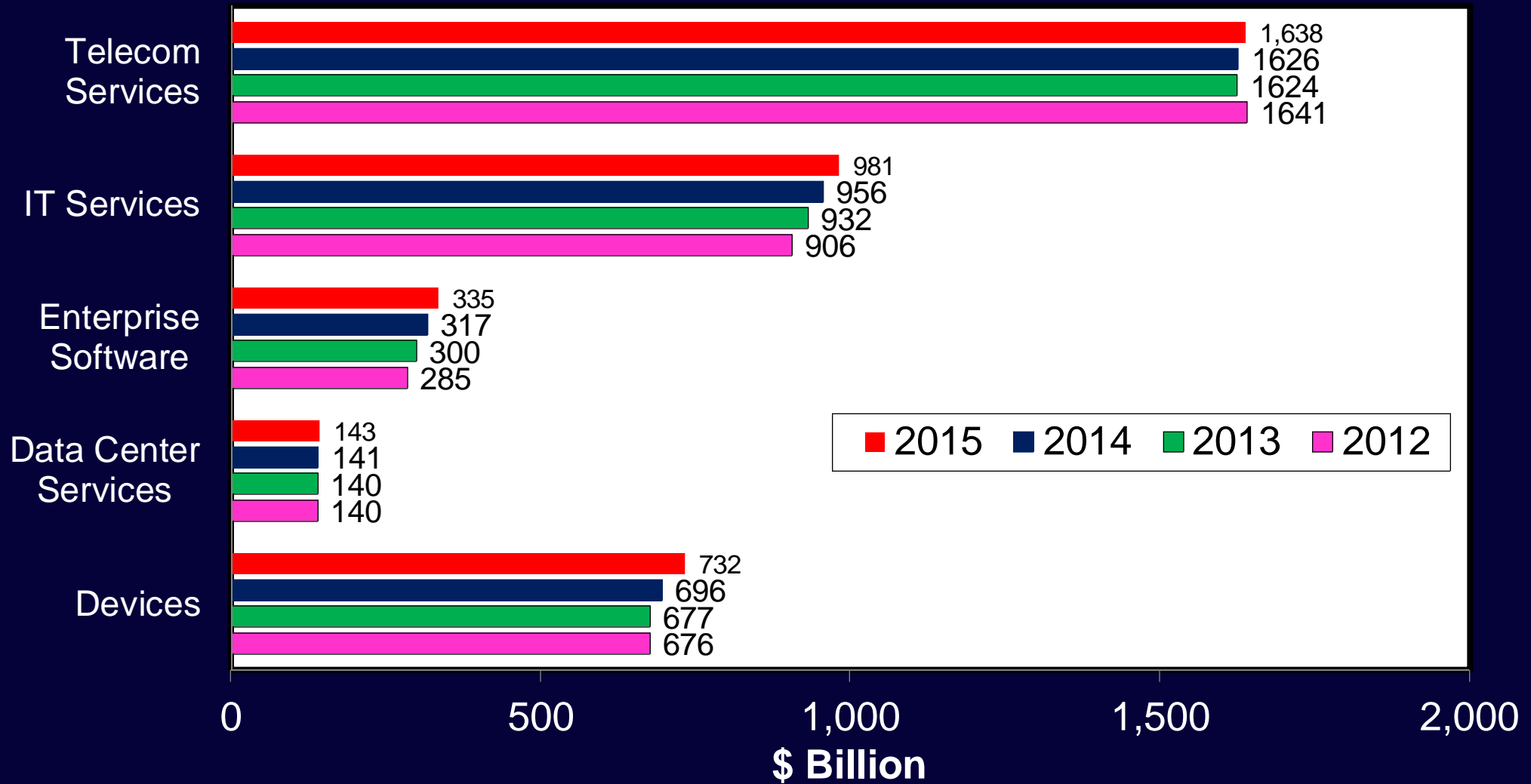
TOTAL: 83.7 Million Units

Includes desk-based PCs, mobile PCs, mini-notebooks but not Media Tablets

Semiconductor Materials Market S. Korea



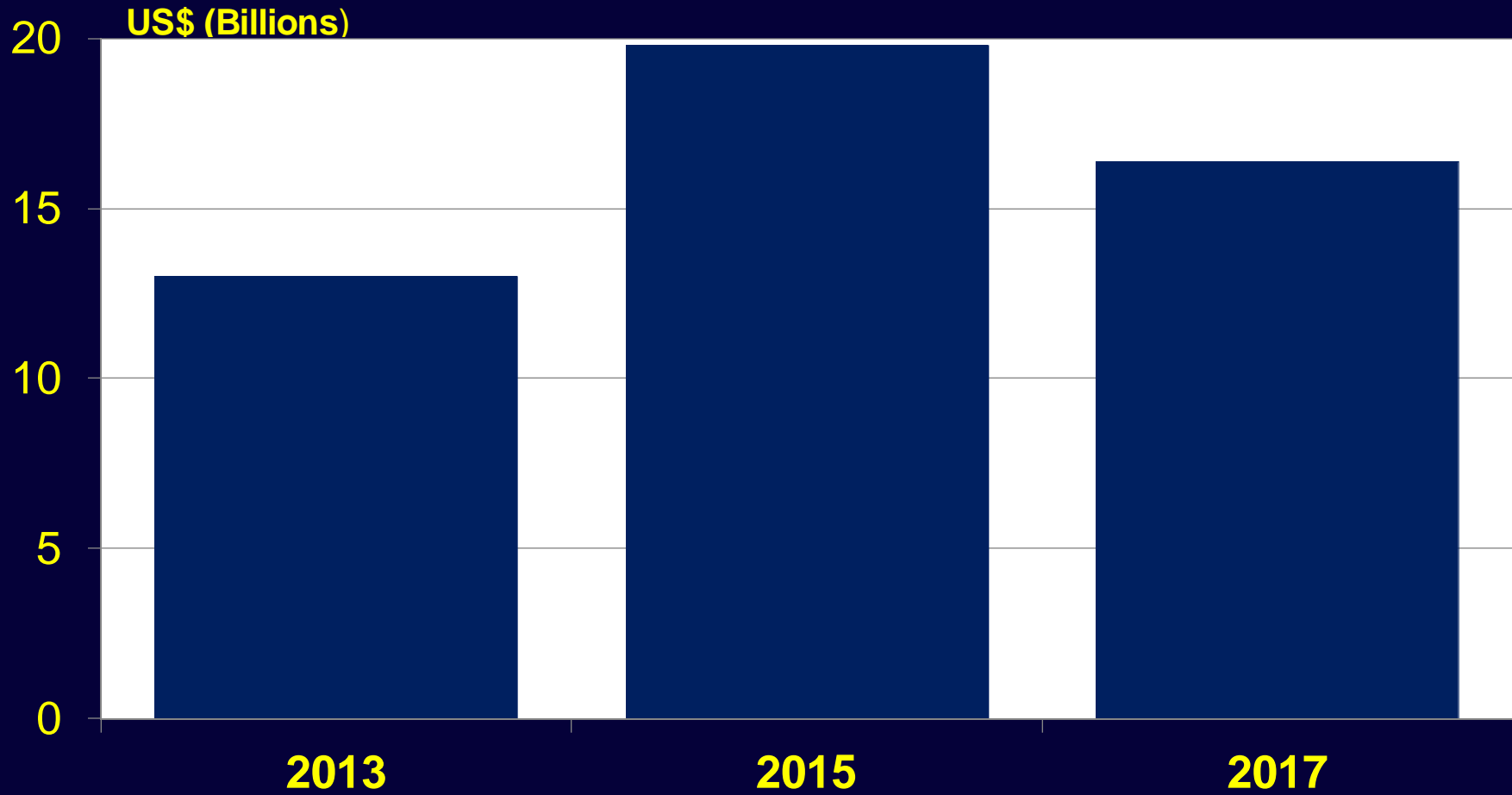
IT Spending, World



Global LTE Infrastructure Market

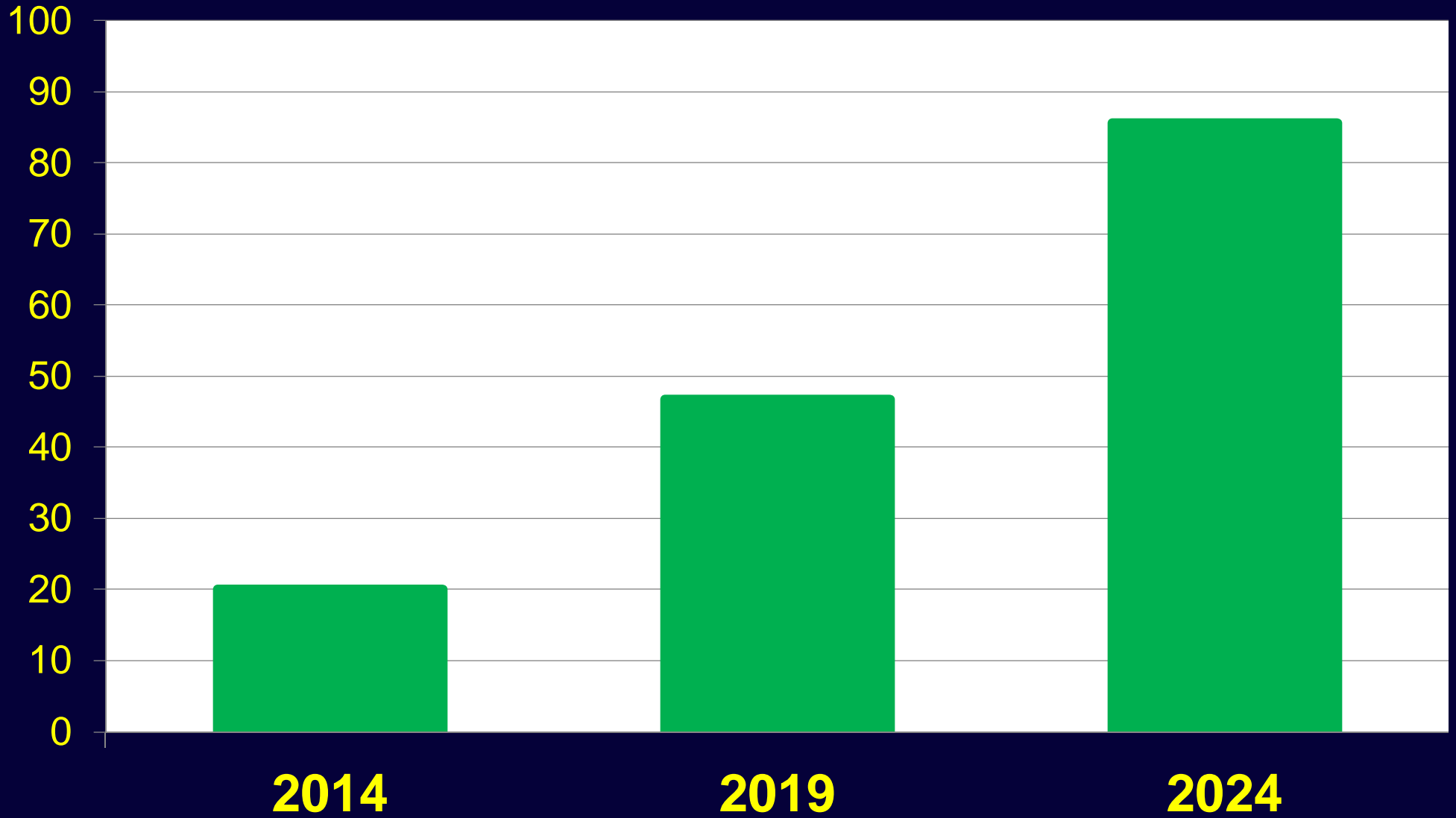
World

Units

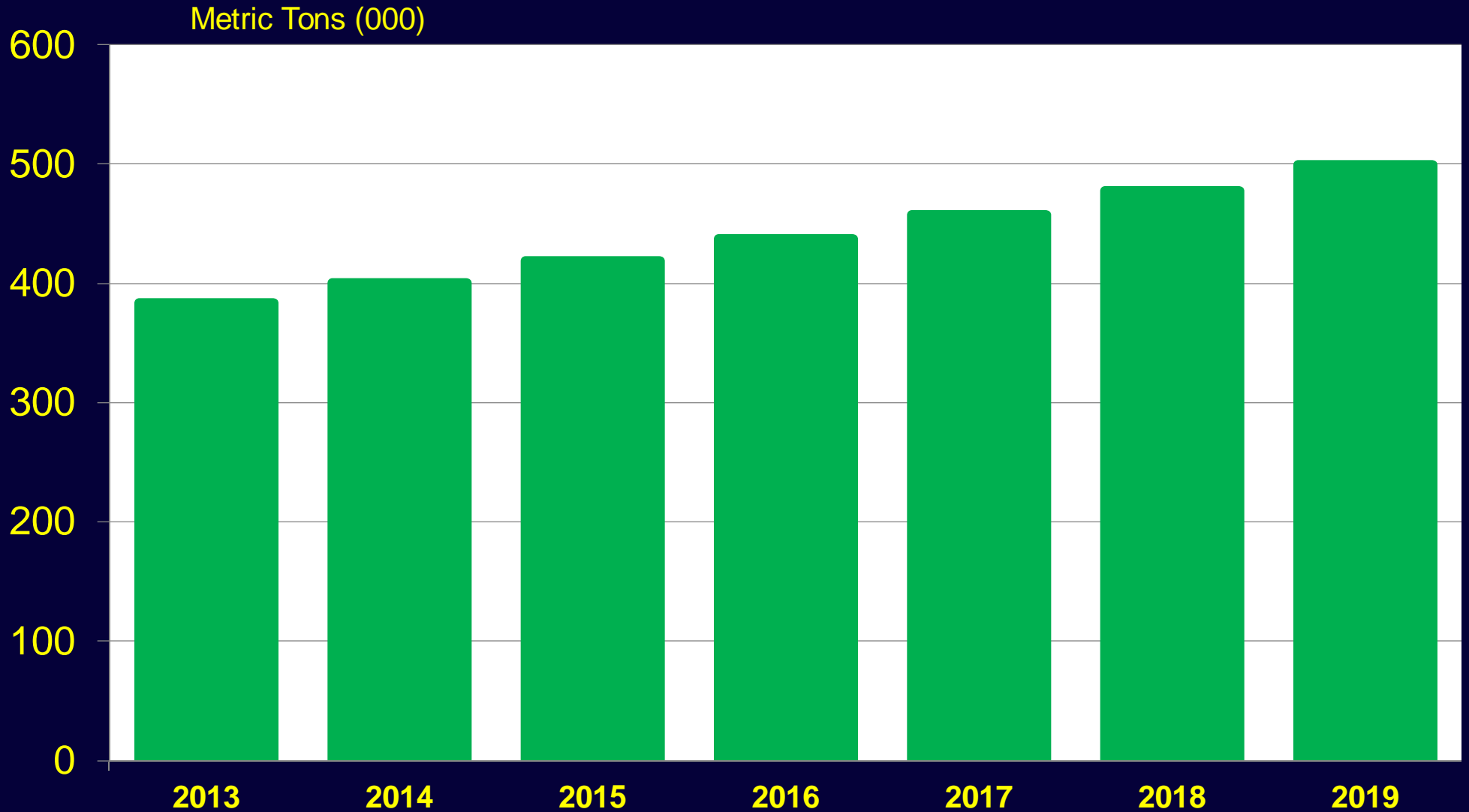


Internet Connectable Devices Installed Base

Units (Billions)



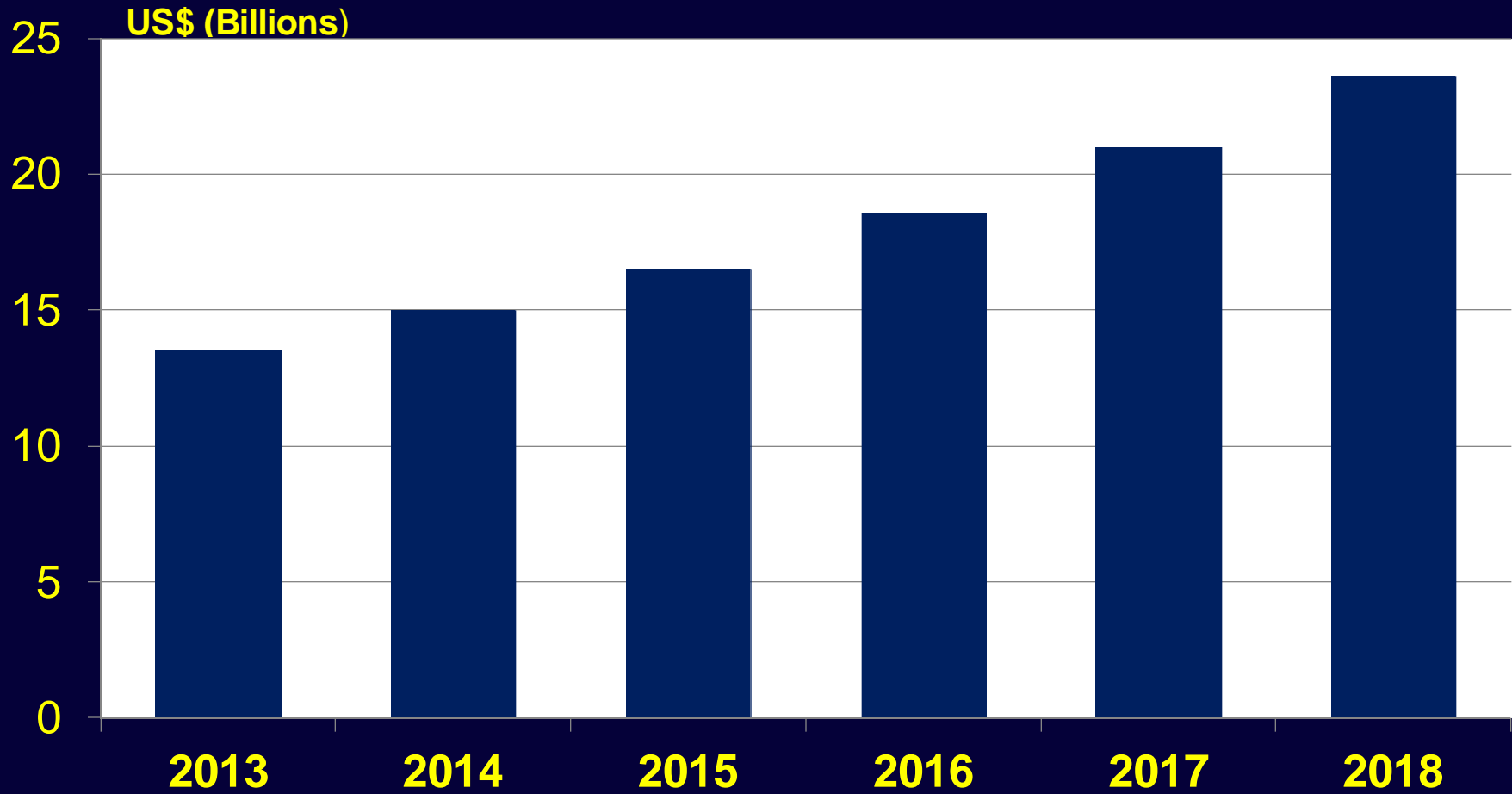
Glass Fiber for PCBs Global Market



Global Video Surveillance Market

World

Units



U.S. Industrial Production

Index (2007=100)

IP

