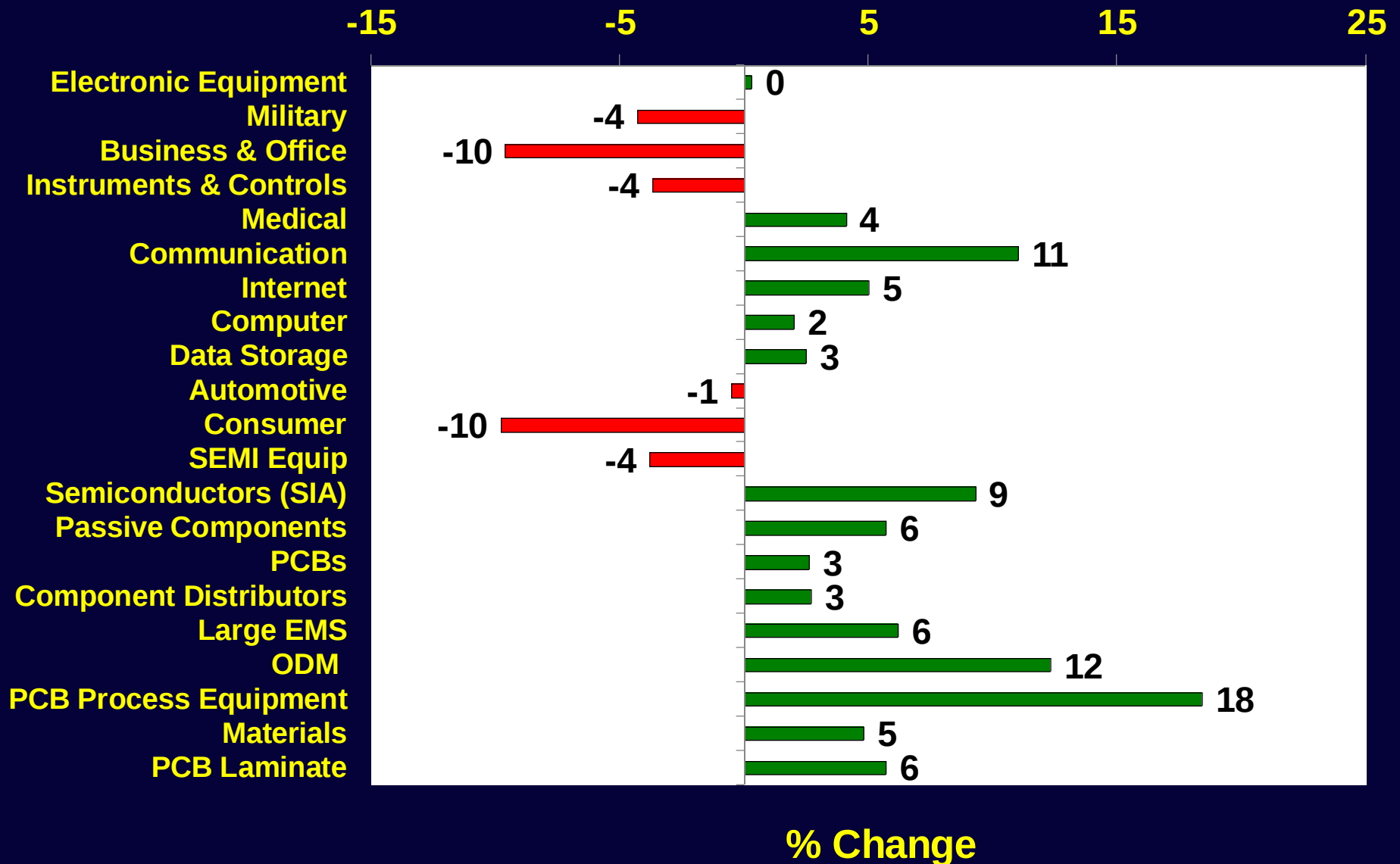


Chart 1

Global Electronic Supply Chain Growth

4Q'14 (preliminary) vs. 4Q'13

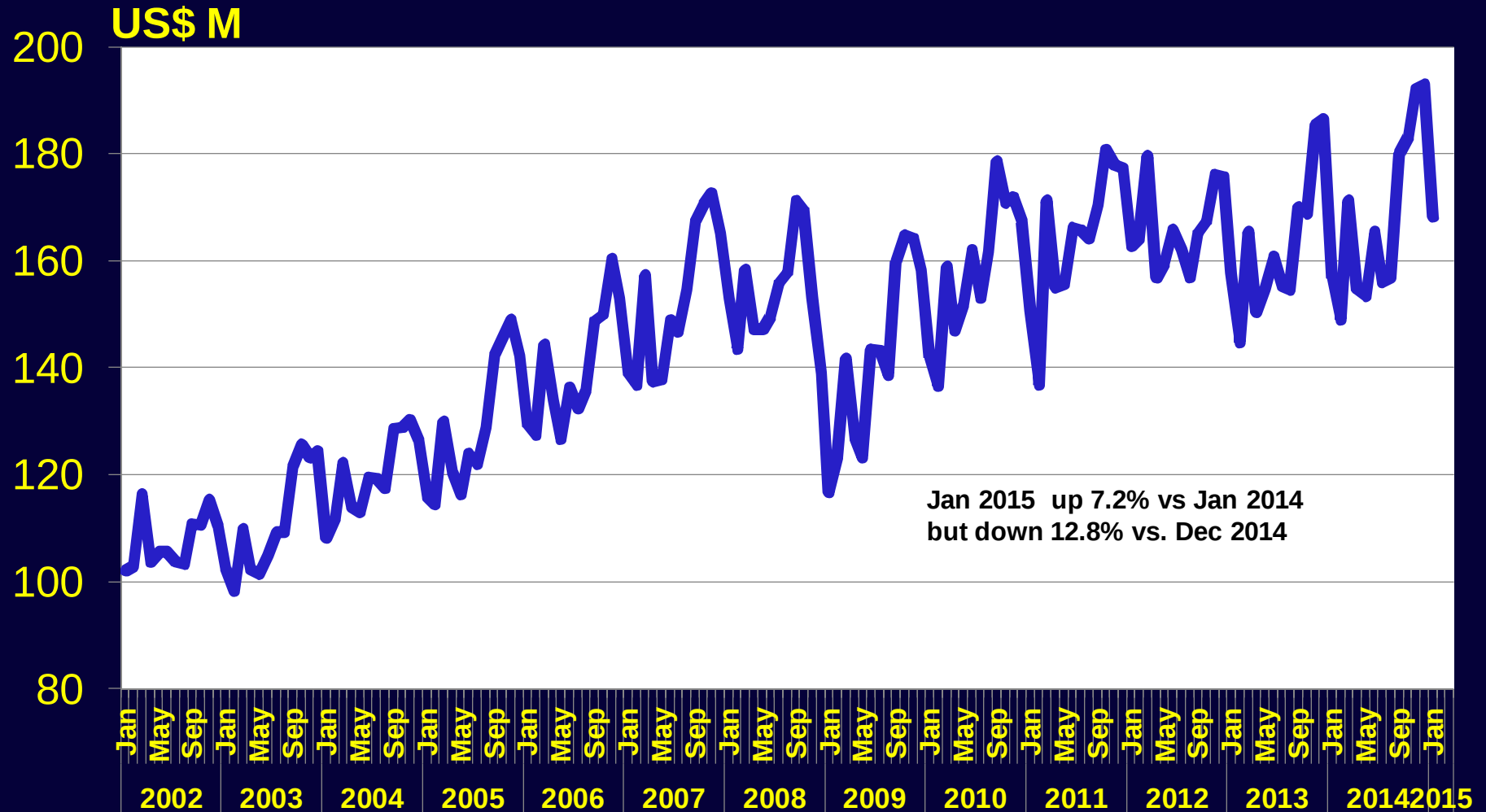


US\$ equivalent at fluctuating exchange; based upon industry composites including acquisitions

Chart 2

World Electronic Equipment Monthly Shipments

Converted @ Fluctuating Exchange Rates



World Electronic Equipment Monthly Shipments

Converted @ Fluctuating Exchange Rates

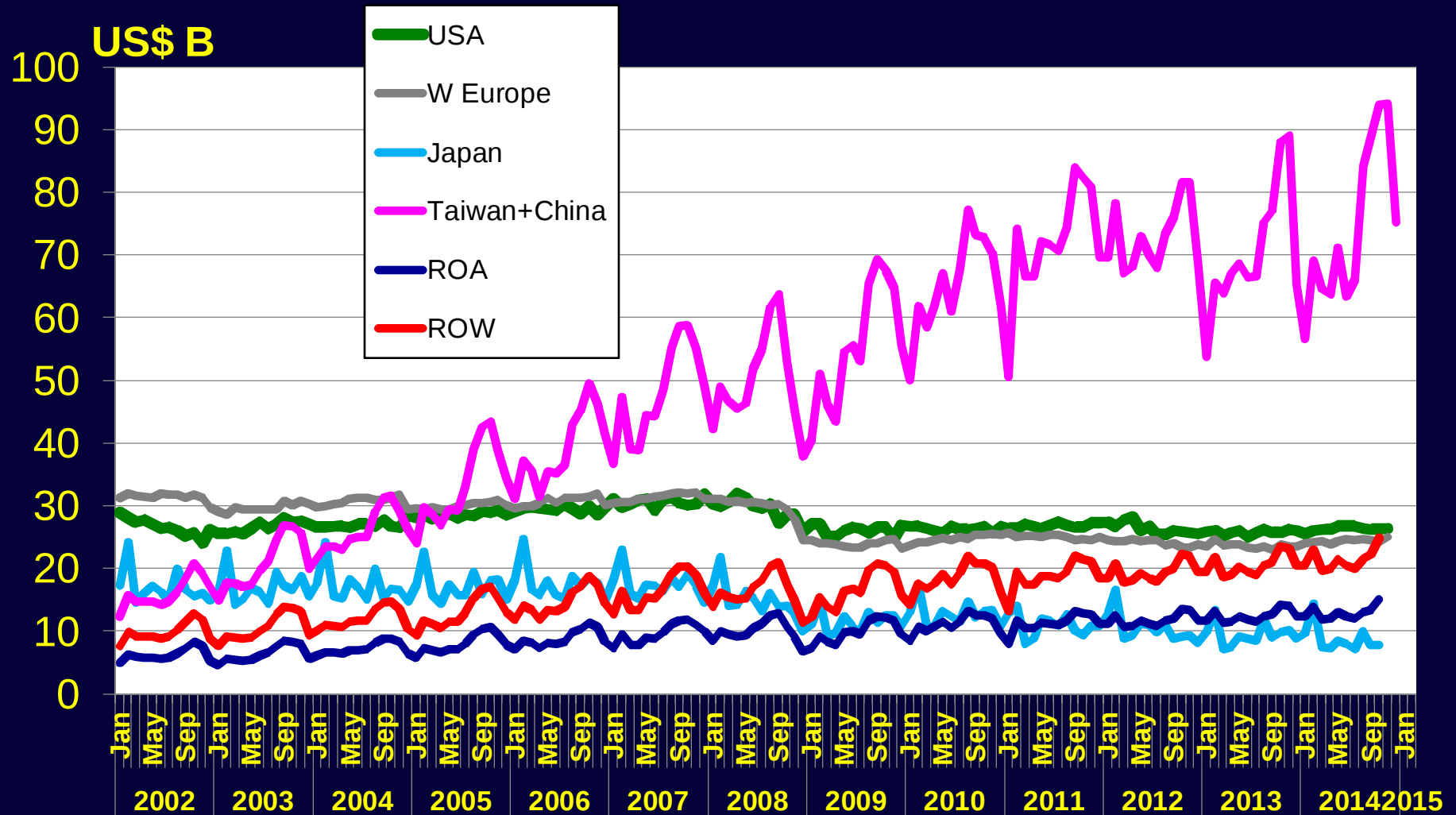
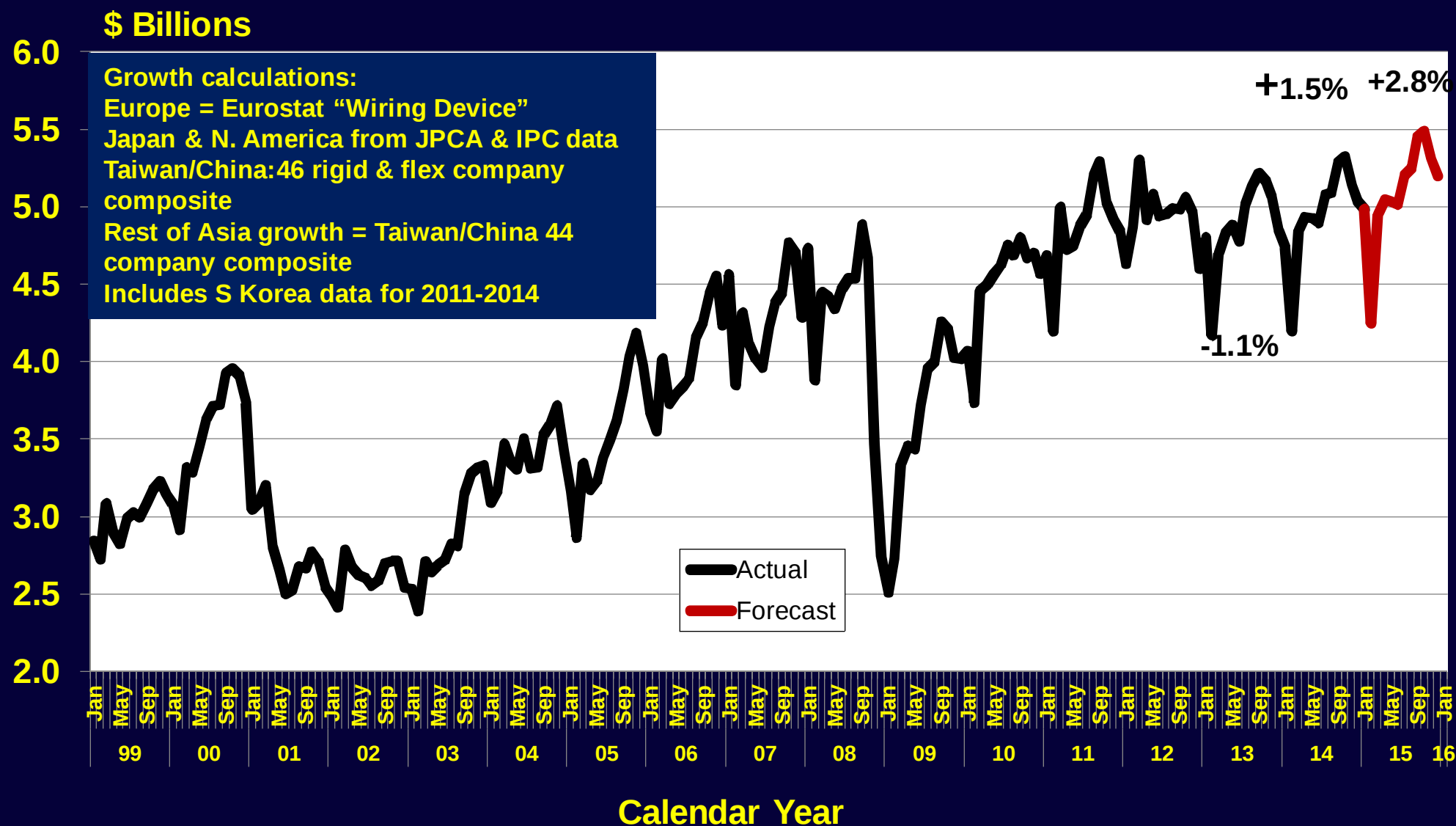


Chart 4 **World PCB Shipments (with forecast)**

Converted @ Fluctuating Exchange Rates

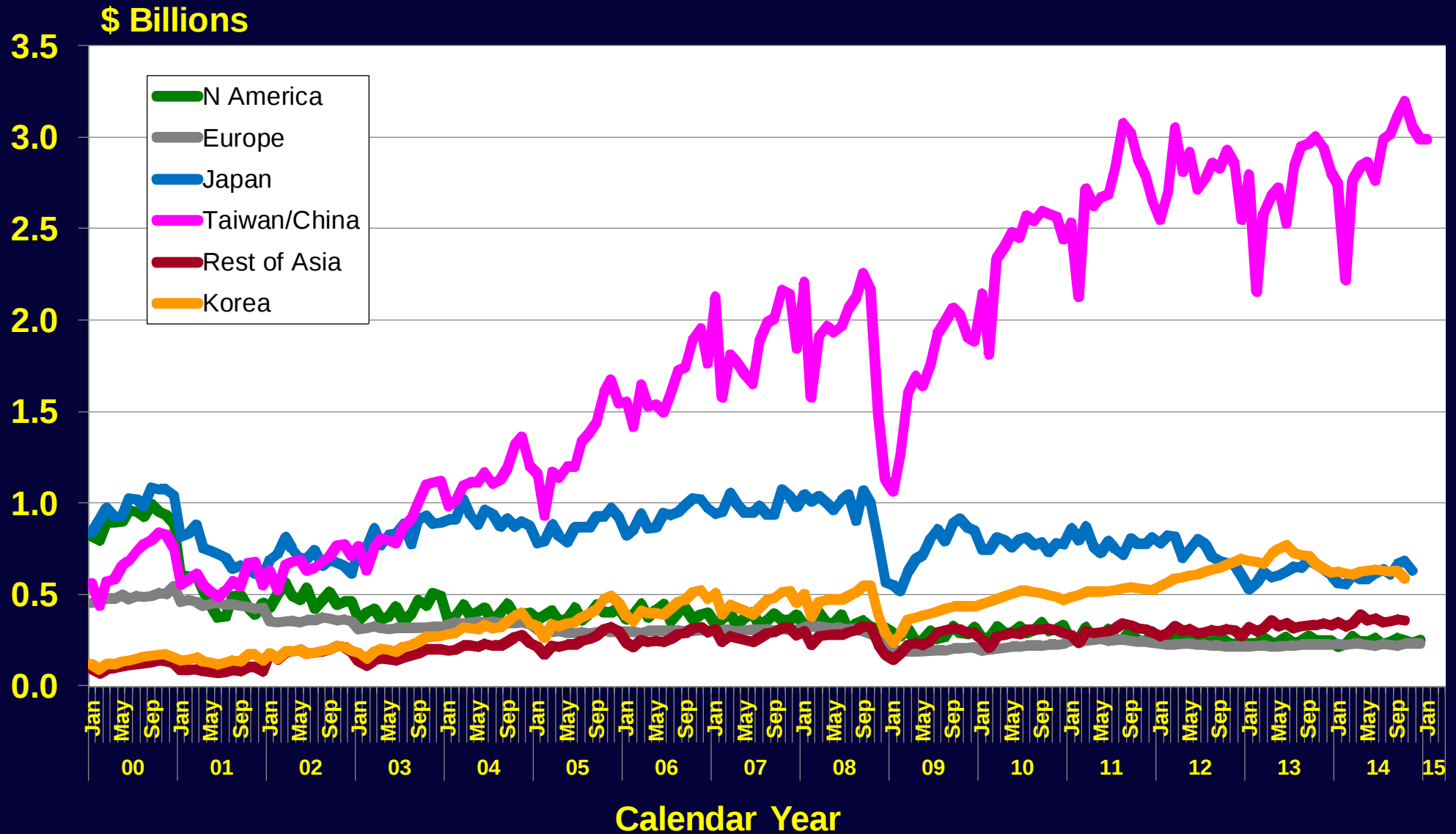


Source: Custer Consulting Group - 2010 base year expanded by monthly growth of N. American, European, Japanese & Taiwan/China monthly PCB shipments

Chart 5

World PCB Monthly Shipments

Converted @ Fluctuating Exchange Rates



Source: Custer Consulting Group

Asian Purchasing Managers' Indices December 2014 vs. January 2015

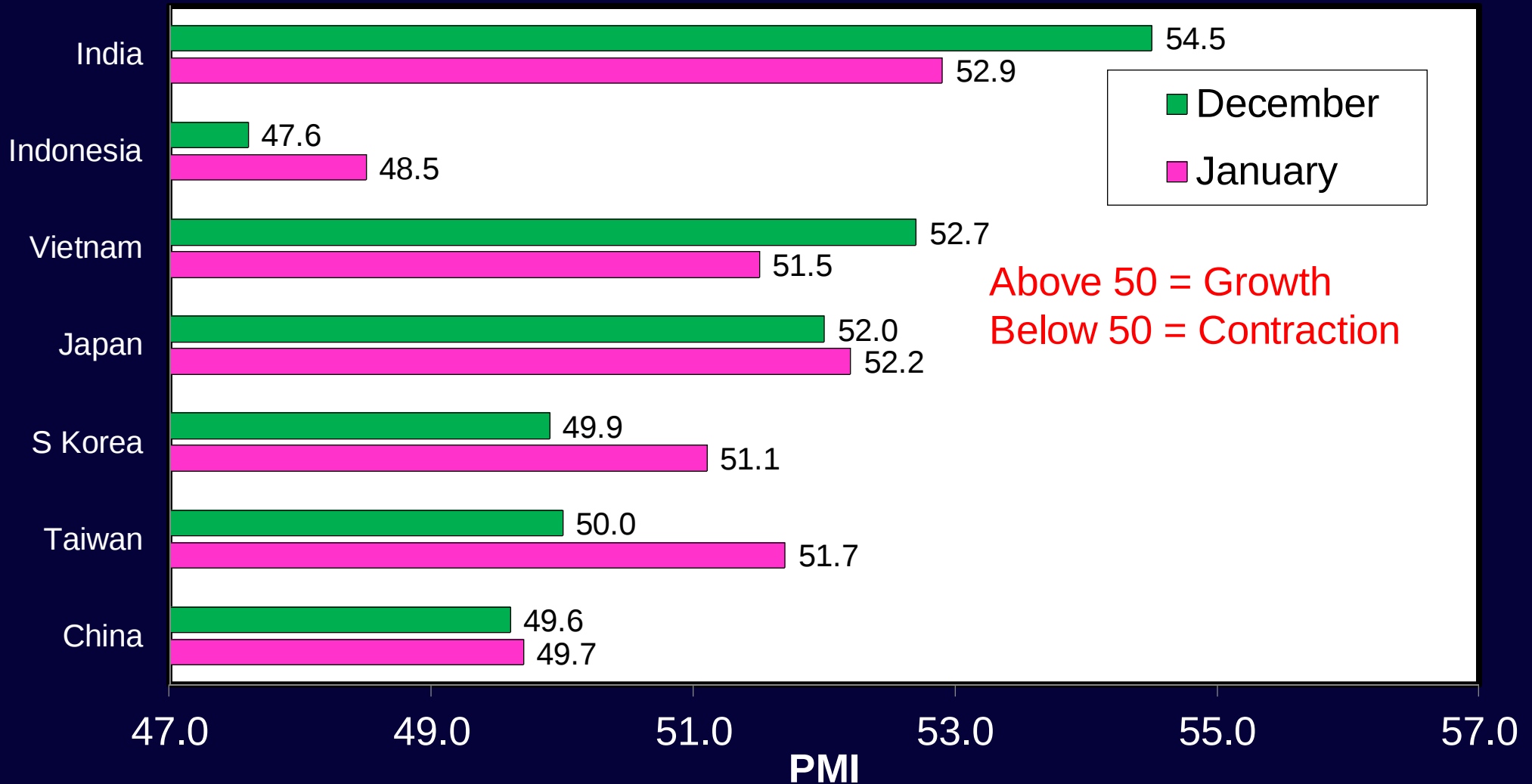
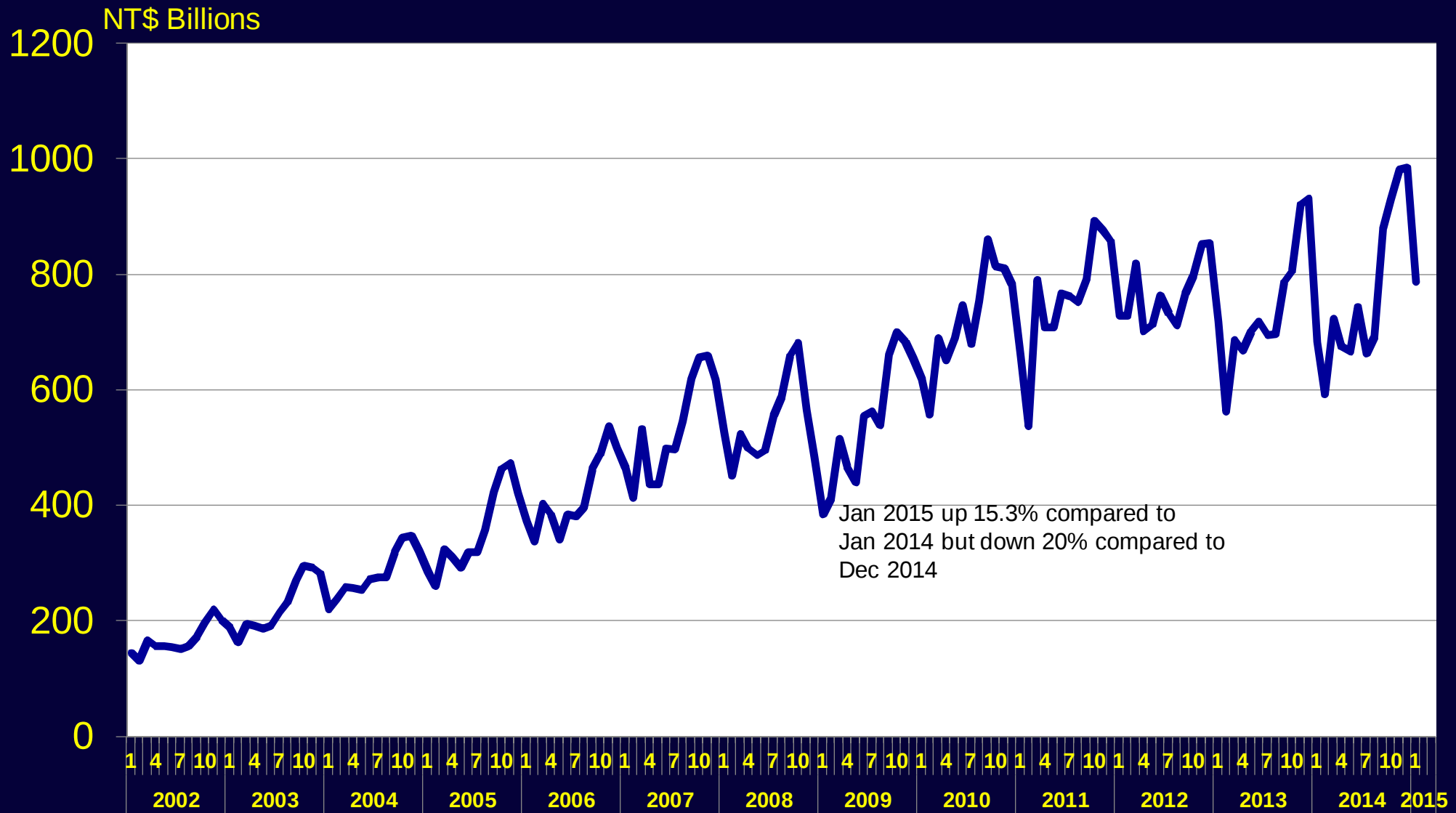


Chart 7

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

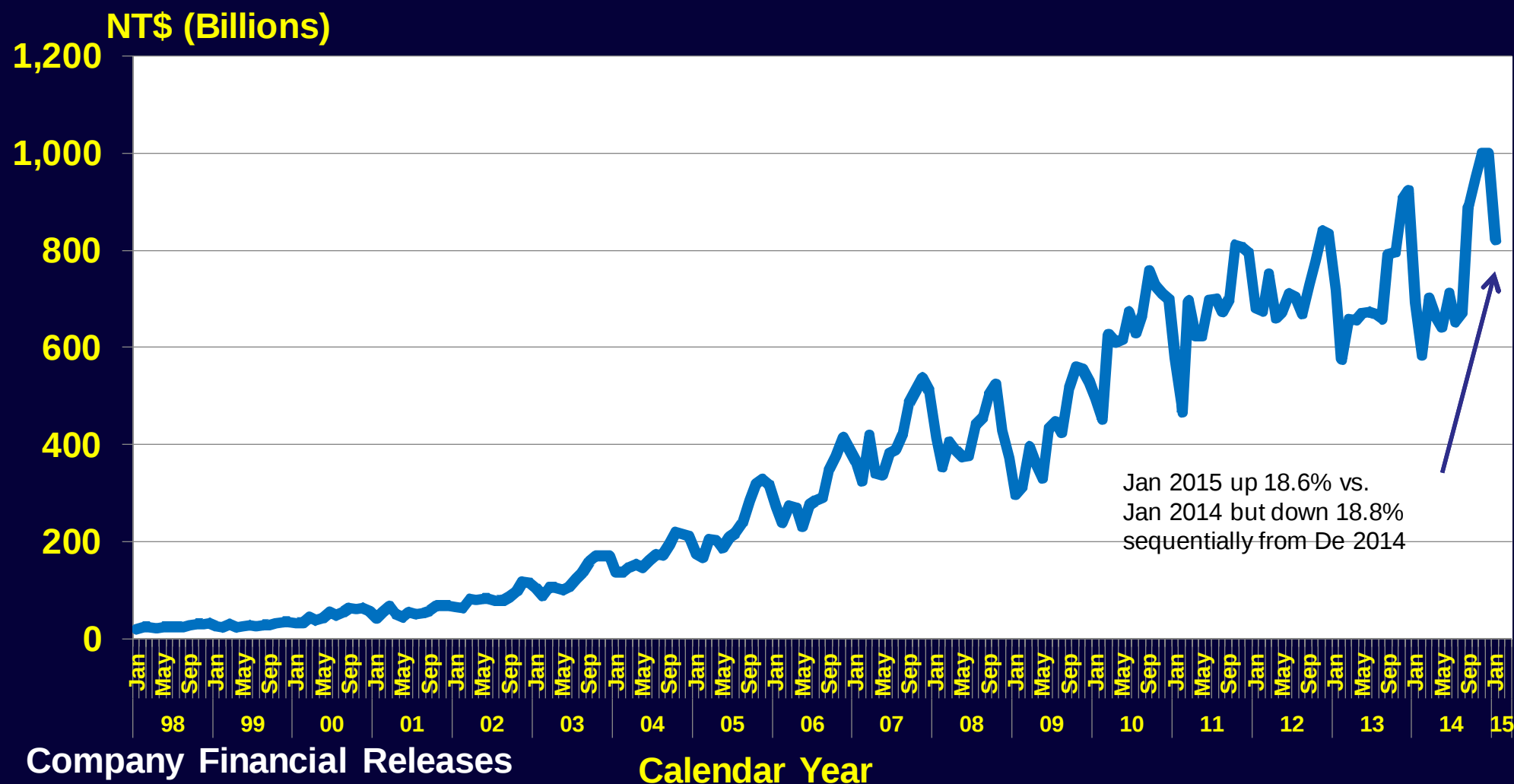


Taiwan listed companies, often with significant manufacturing in China

Chart 8

Taiwan ODM Companies

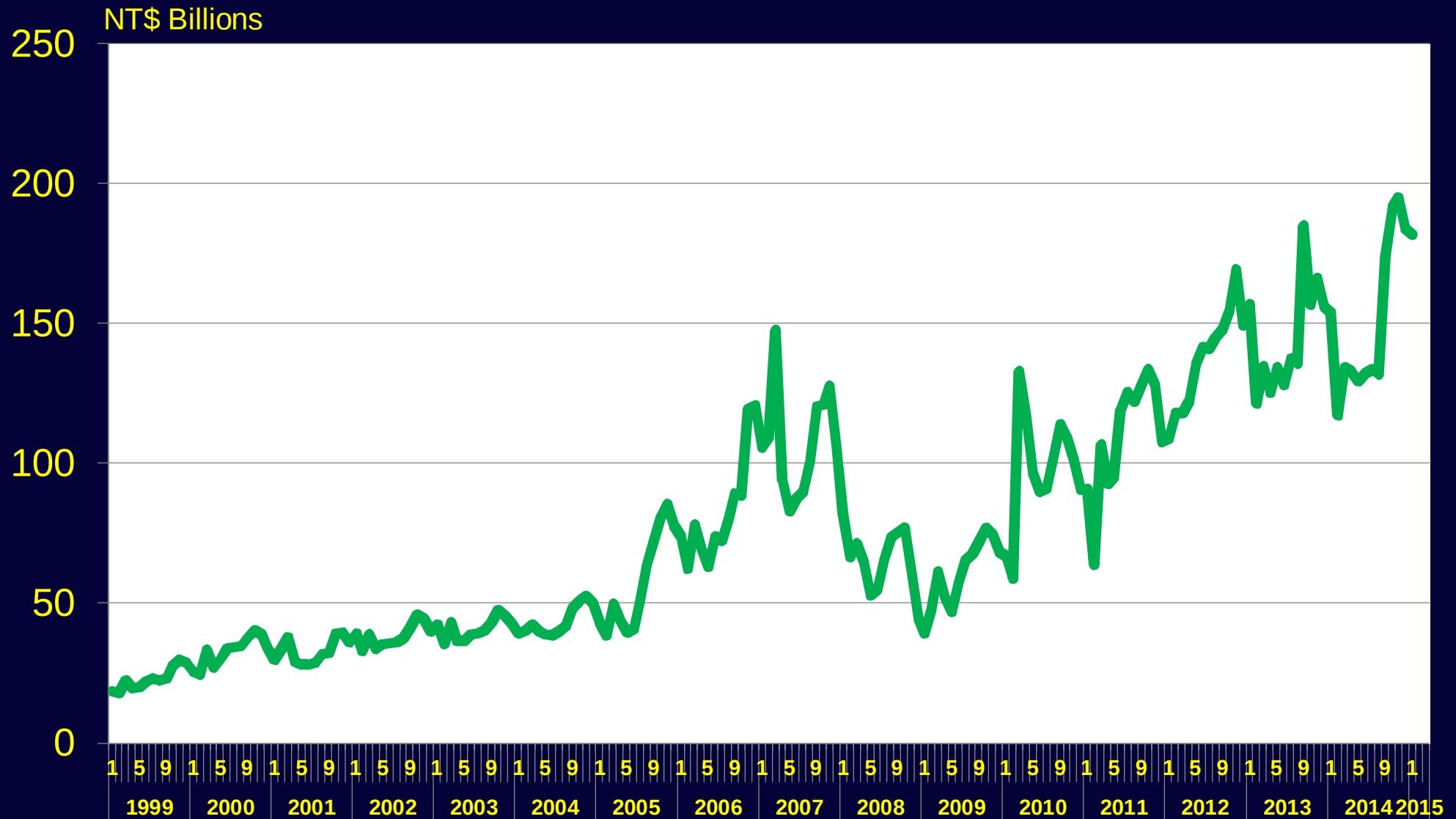
Composite Sales of 11 Large Manufacturers



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

Chart 9

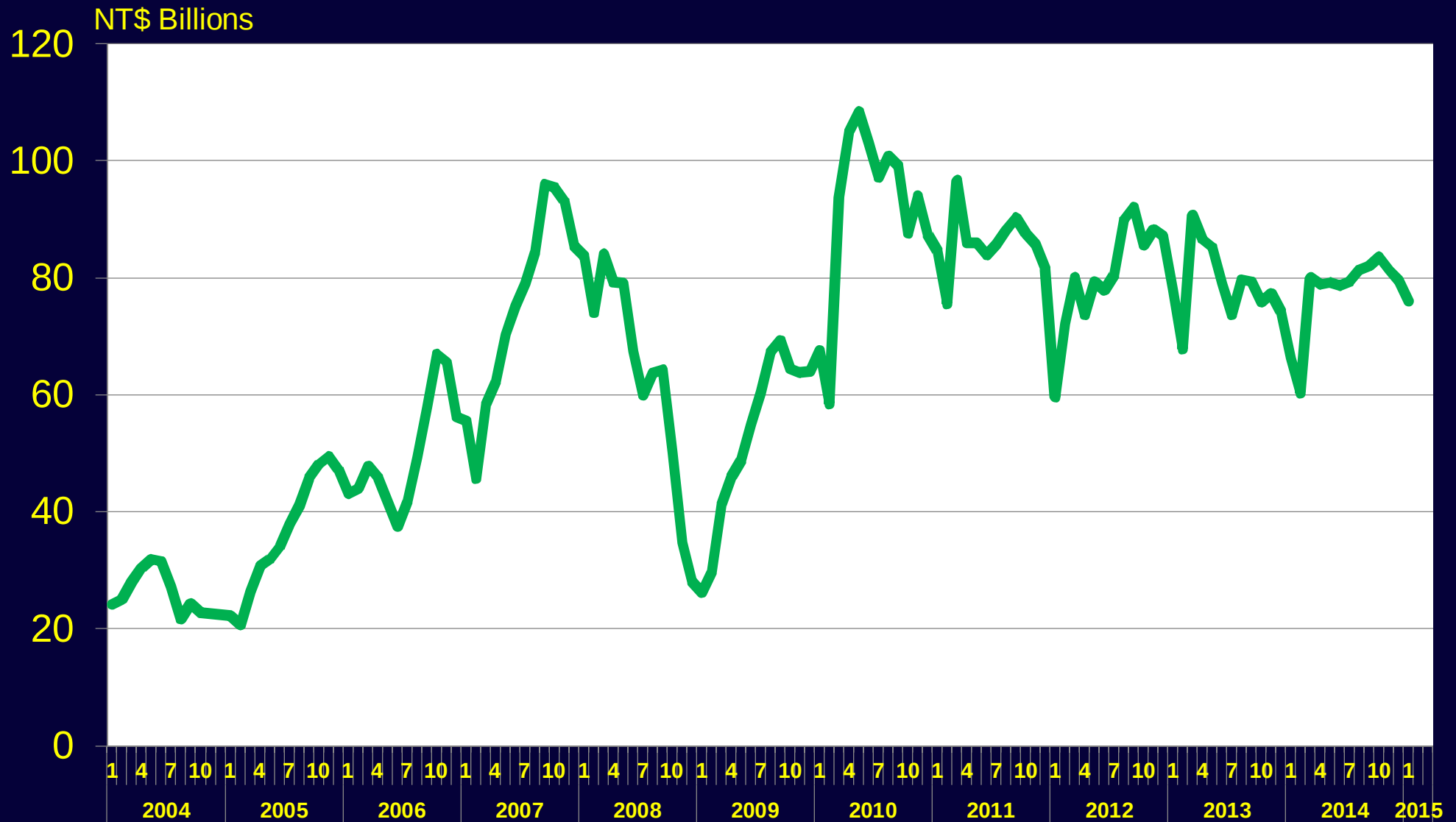
Taiwan/China Motherboard Vendor Sales Composite of 22 Manufacturers



Taiwan listed companies, often with significant manufacturing in China

Chart 10

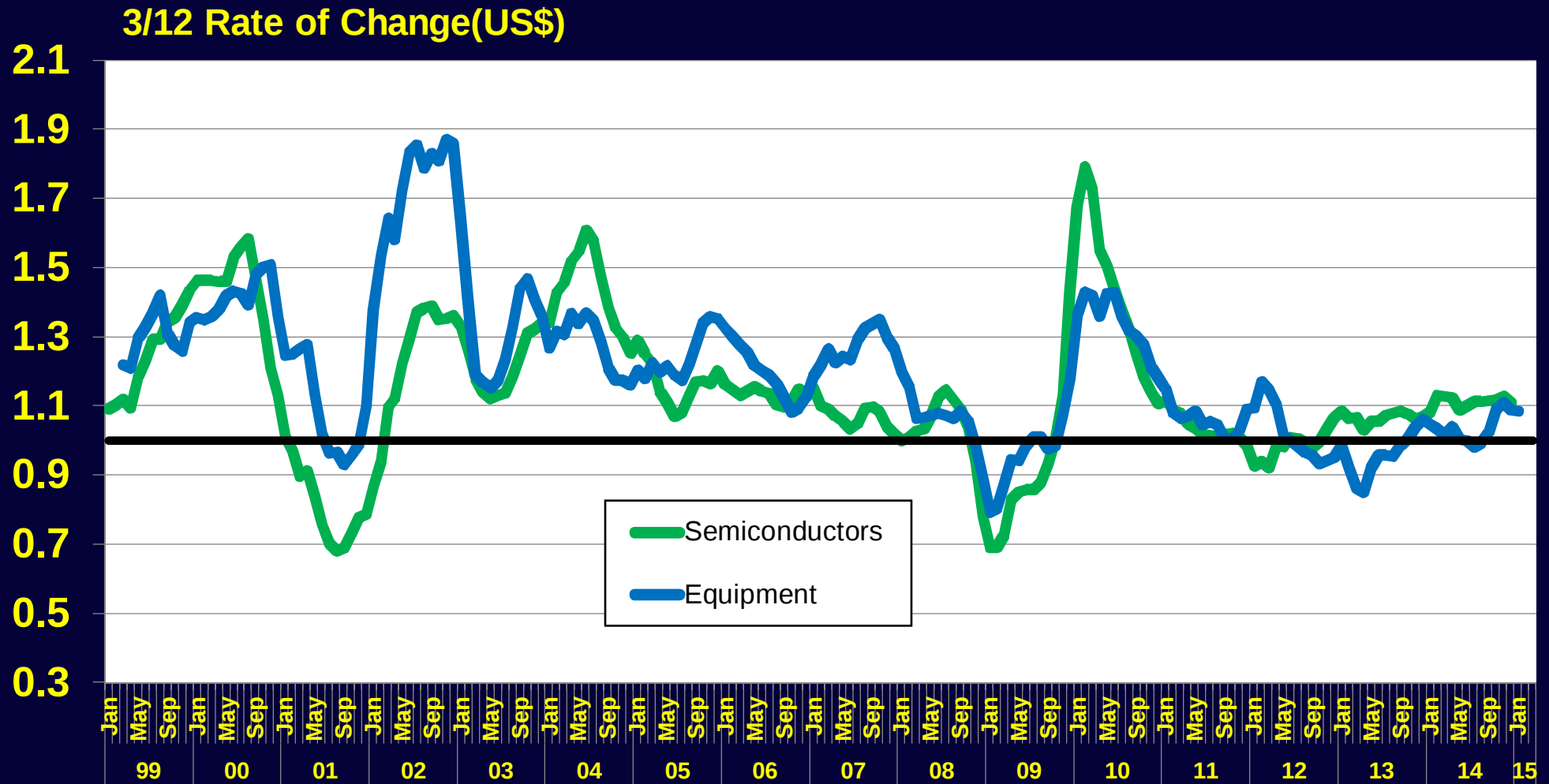
Taiwan Display Producers Composite of 6 TFT-LCD Panel Manufacturers



Taiwan listed companies, often with significant manufacturing in China

Chart 11

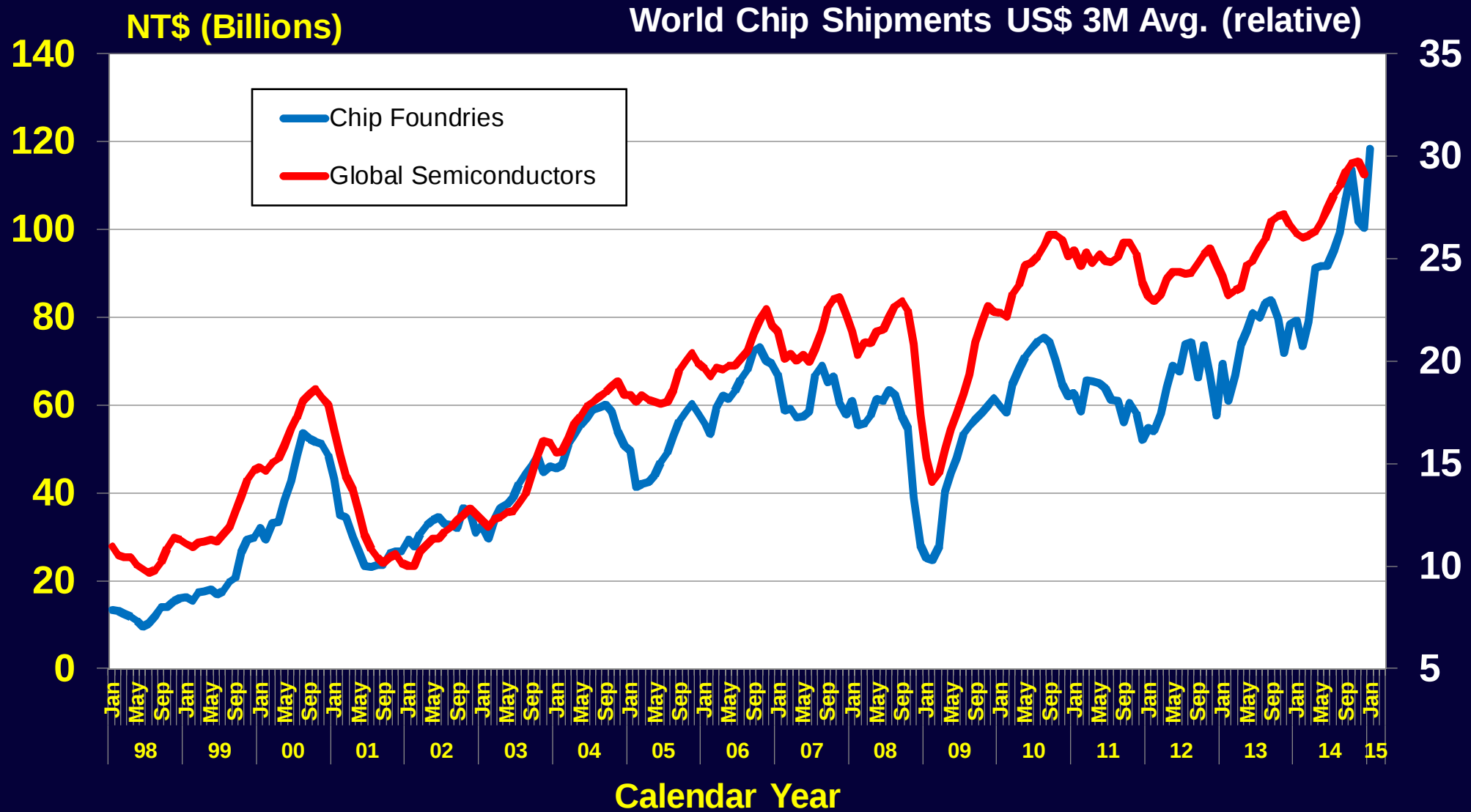
Semiconductor Shipments to Asia/Pacific vs. Taiwan/China Electronic Equipment Production



Total \$ Semiconductor Shipments from All Countries to SE Asia www.sia-online.org/
101 Taiwan listed companies, often with significant manufacturing in China

Chart 12

Taiwan Wafer Foundry Composite vs. Global Semiconductor Revenues



14 Taiwan Company Financial Releases & SIA

Chart 13

Taiwan Package & Test Companies Composite of 20 Manufacturers



ASE, Ardentec, ChipMOS Tech, Chipbond Tech, E'dale Tech, Formosa, Advance Tech, Fupo Elec, Greatek Elec, International Semiconductor Tech, King Yuan Elec, Lingsen Precision, Orient Semiconductor, Powertech Tech, Signality System, Sigurg Microelectronics, SPIL, Thalín Semiconductor, Vate Tech, Walton Advanced Tech

Chart 14

Taiwan Memory Companies Composite of 8 Manufacturers



Silicon Integrated Systems, Inotera Memories, Macronix Intl, Mosel Vitelic, NanYa Tech, Powerchip Semiconductor, ProMOS, Winbond Elec

Chart 15

Taiwan Passive Component Companies Composite of 25 Manufacturers



Chilsin Electronics, Cyntec, (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 16

Taiwan Solar/Photovoltaic Panel Companies Composite of 27 Manufacturers

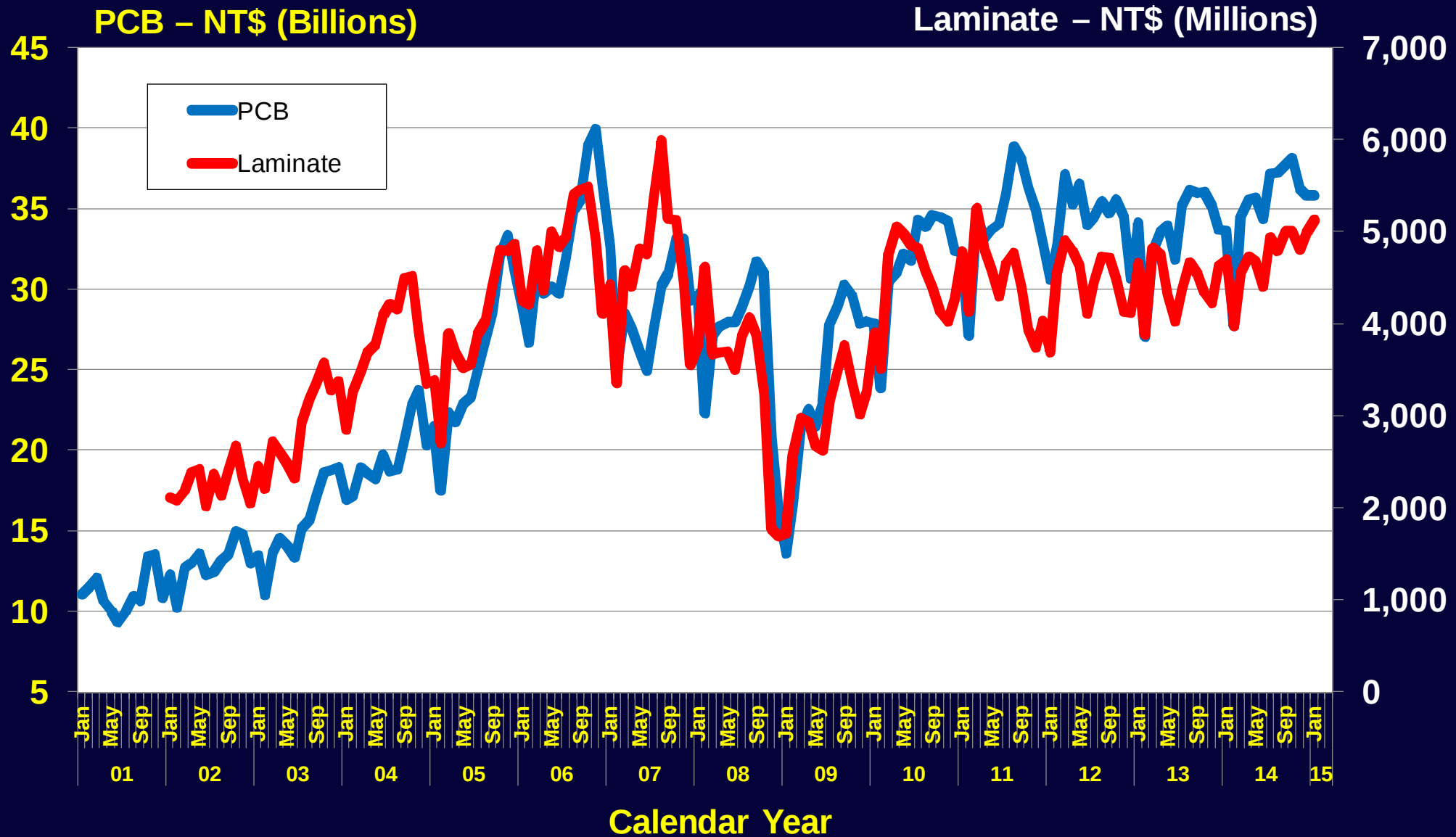


Acter, Big Sun Energy Technology, Chen Full Intl, Danen Technology, Daxon Technology, DeISolar, Delta Electronics, e_TON Solar Tec, Invetec Group, Eversol, Gigasolar materials, Gintech, Green Energy Technology (GET), Higher Way Elec, Kenmec Mechanical, Ligitek, Motech, Neo Solar Power, Phoenixtec Power 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 17

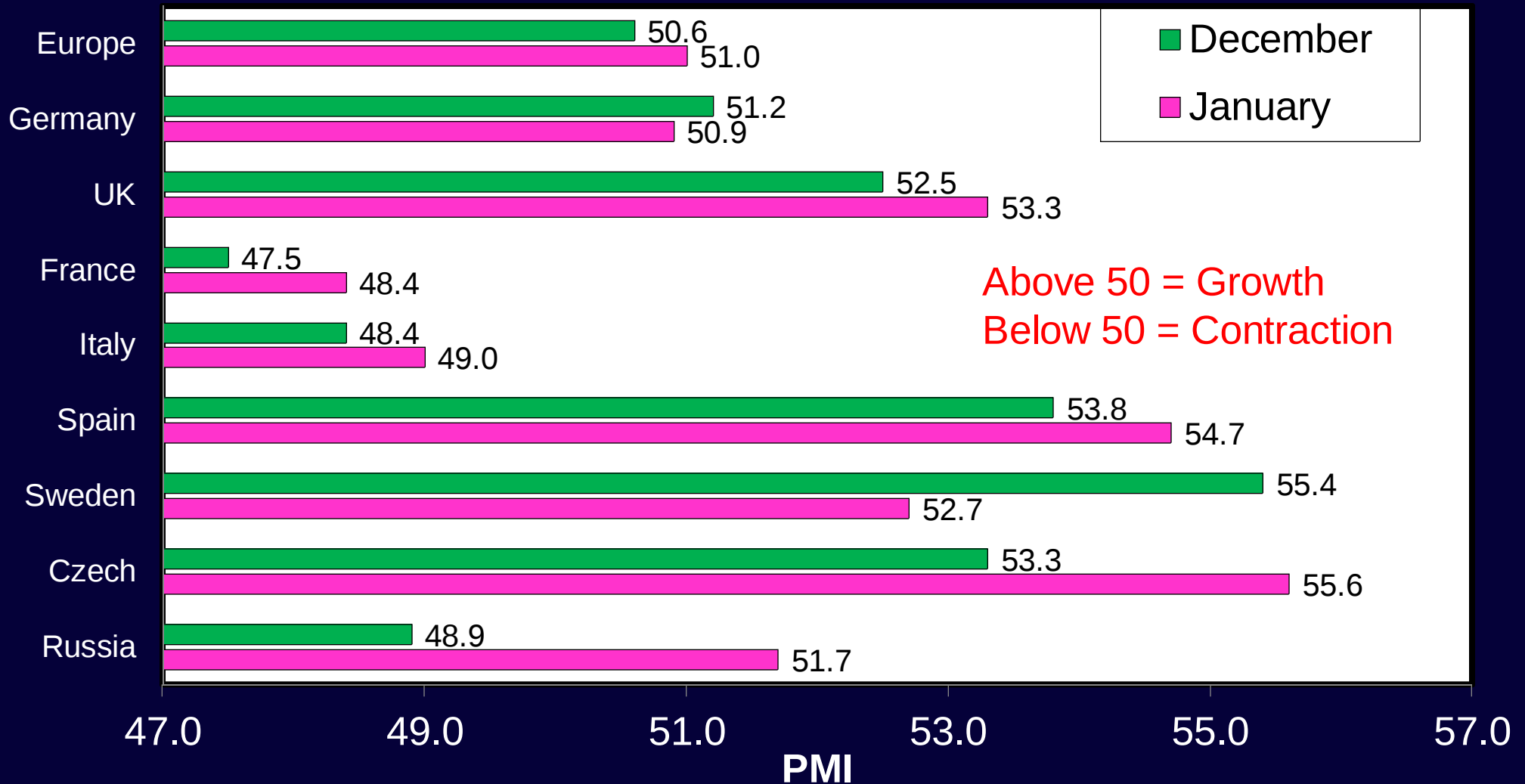
Taiwan Shipments

42 Rigid PCB & 8 Laminate Manufacturers



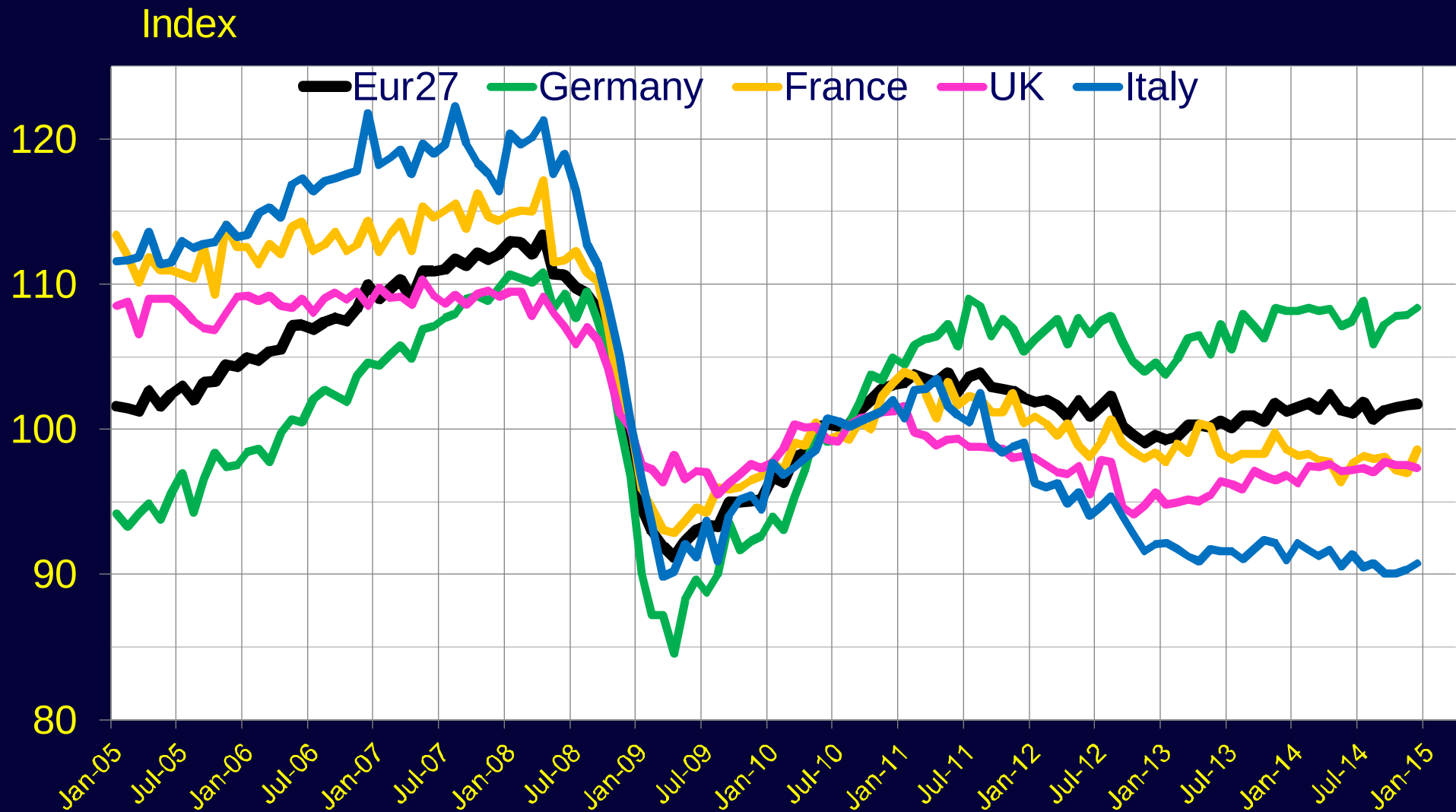
Company Financial Releases

European Purchasing Managers' Indices December 2014 vs. January 2015

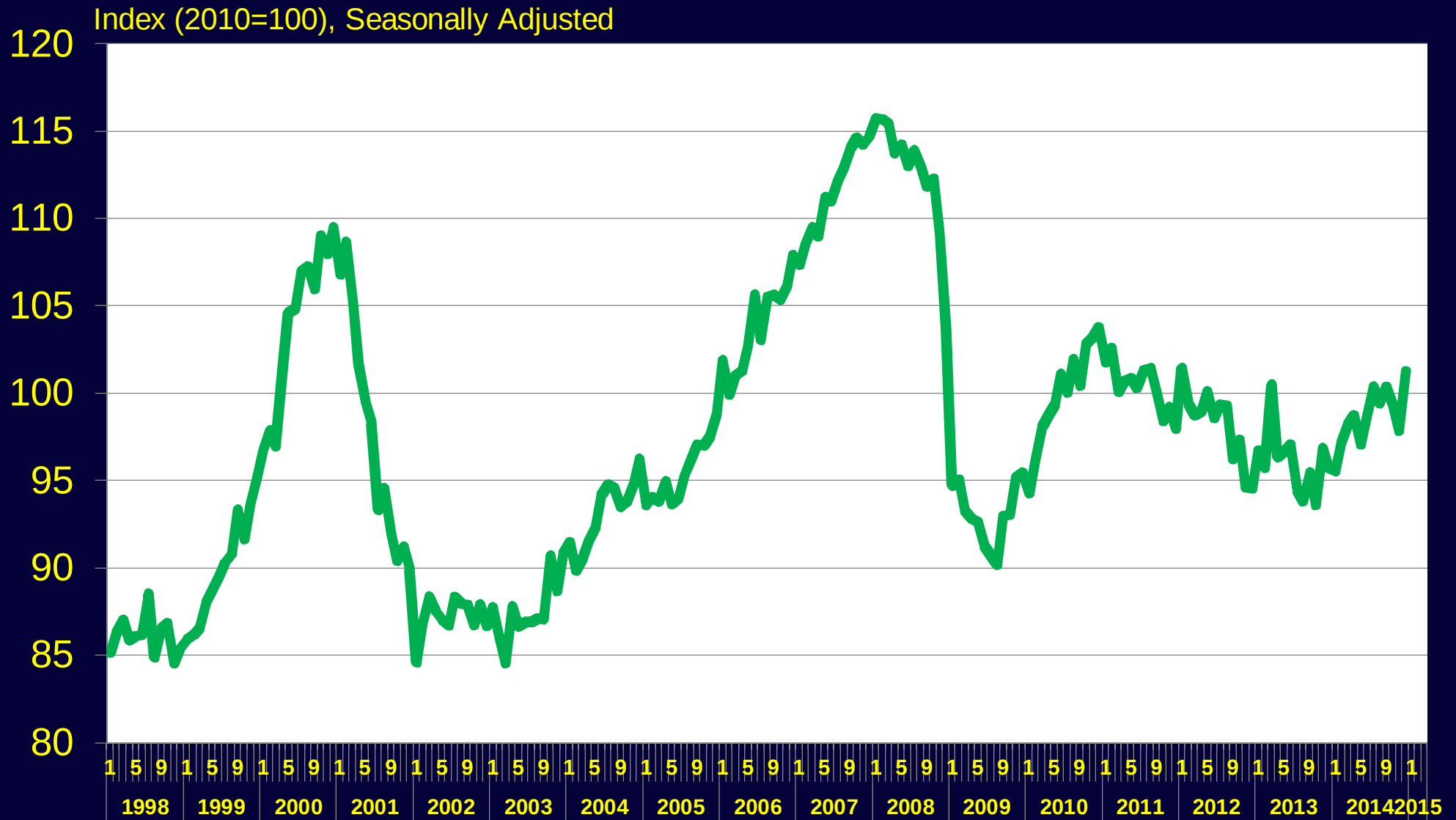


Industrial Production - Europe

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



European Computer, Electronic & Optical Products Production



Europe- EU27

Manufacture of computer, electronic & optical products

12/12 & 3/12 Rate of Change

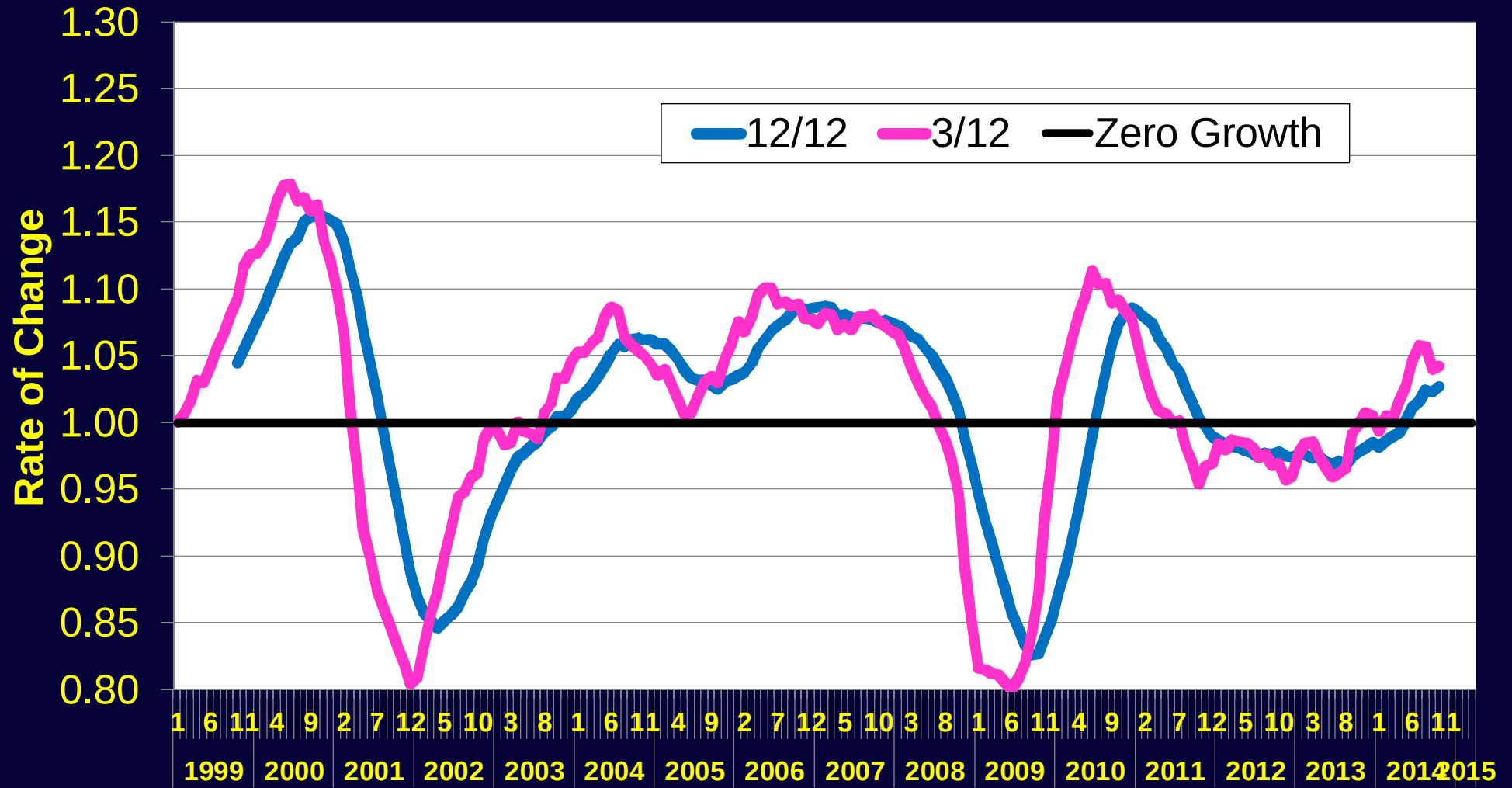
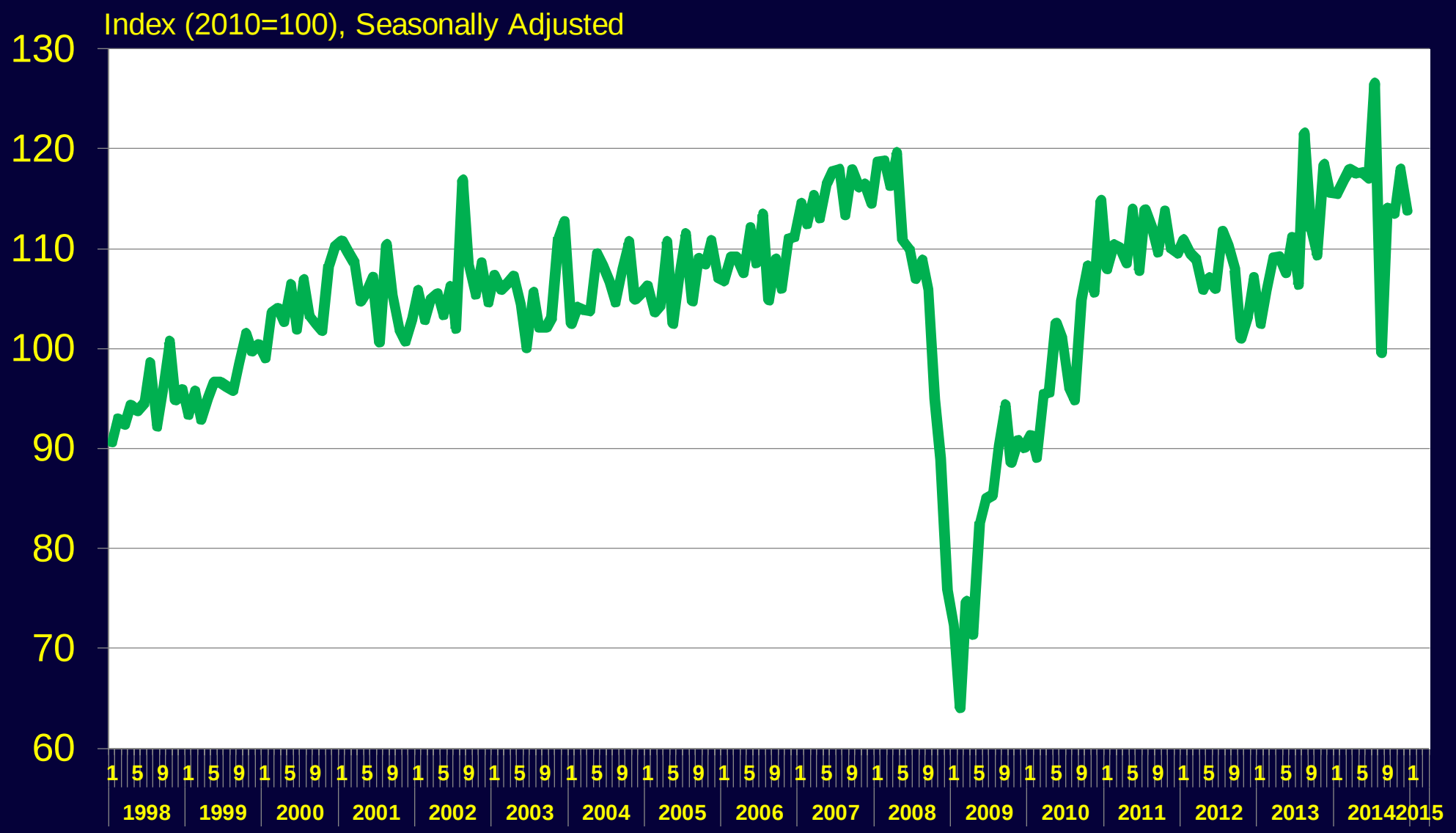


Chart 22

European Motor Vehicle Production



Eurostat, C291 category, EU 27 countries

Chart 23

European Production - Aircraft, Spacecraft & Related Equipment

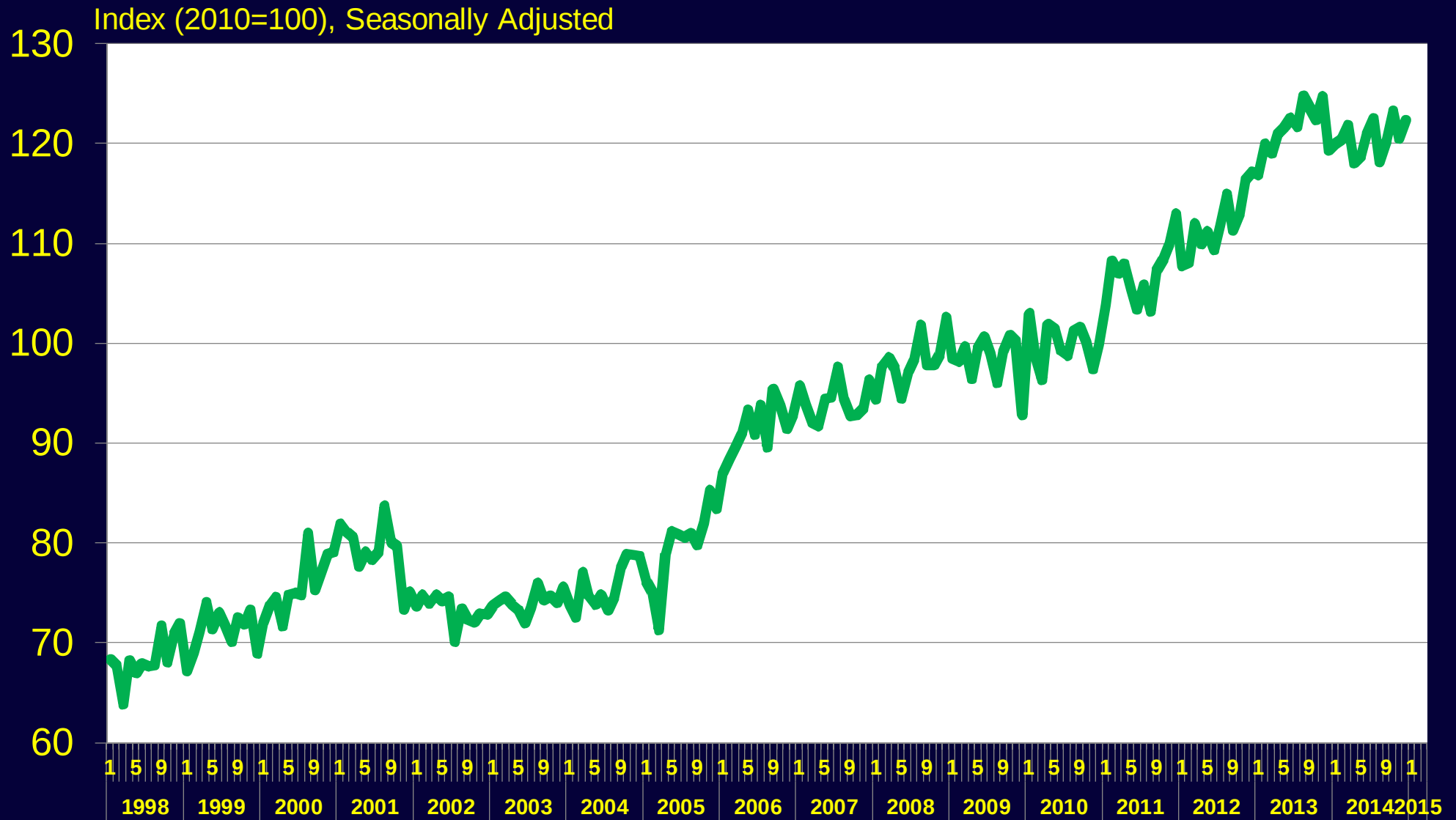


Chart 24 **European Production - Instruments & Appliances for Measuring, Testing & Navigation**

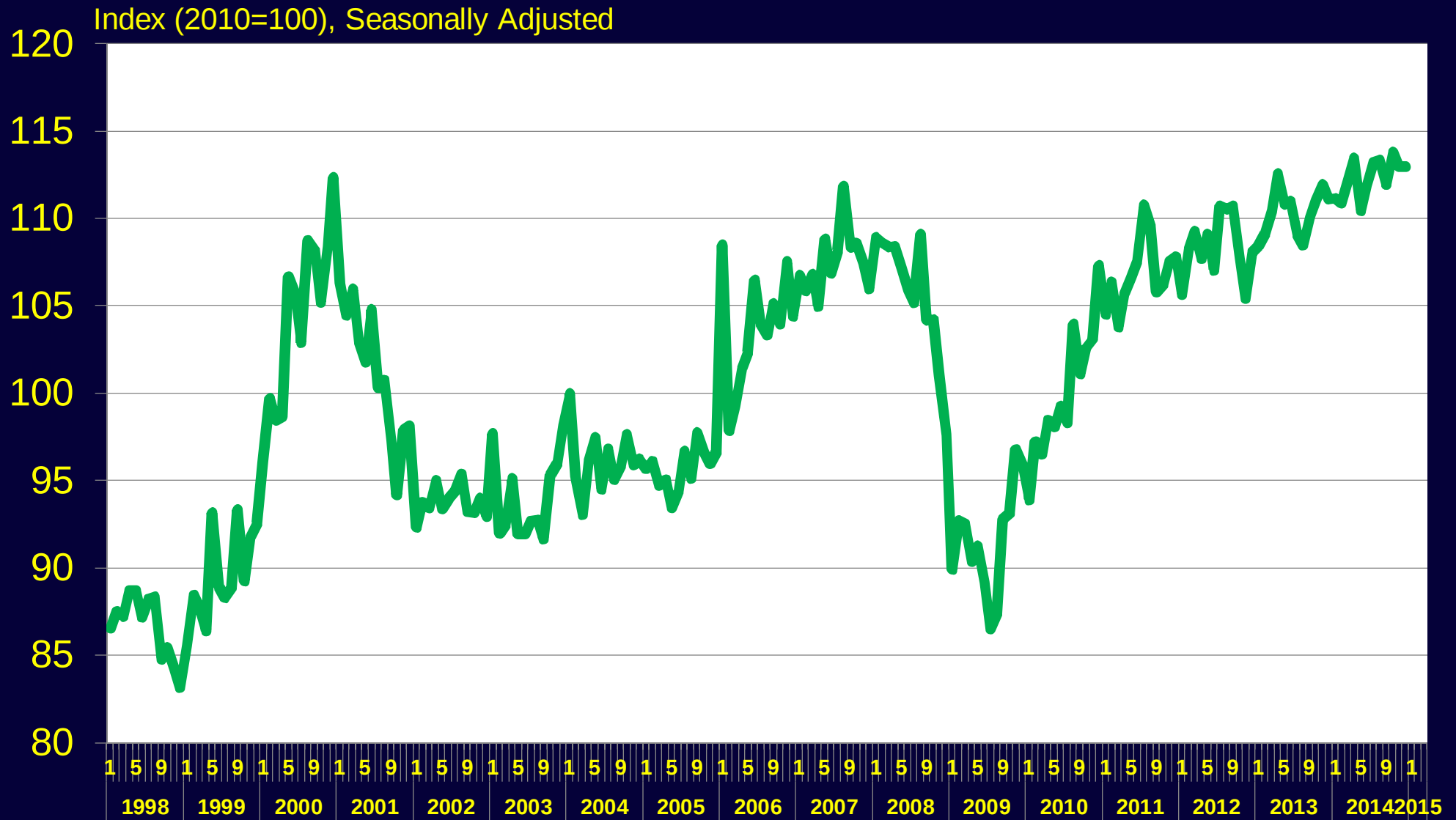


Chart 25

European Production - Irradiation, Electromedical & Electrotherapeutic Equipment

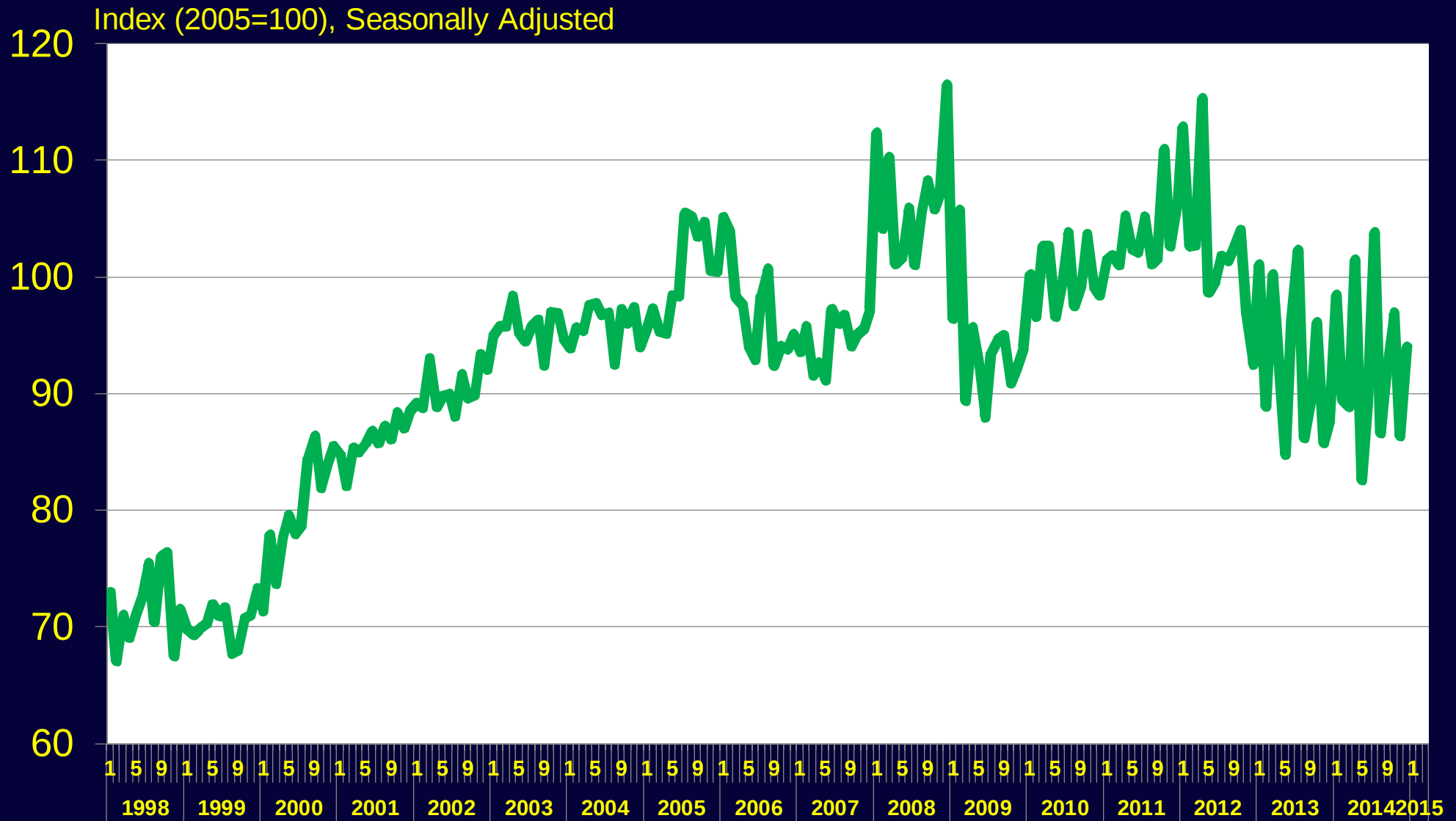
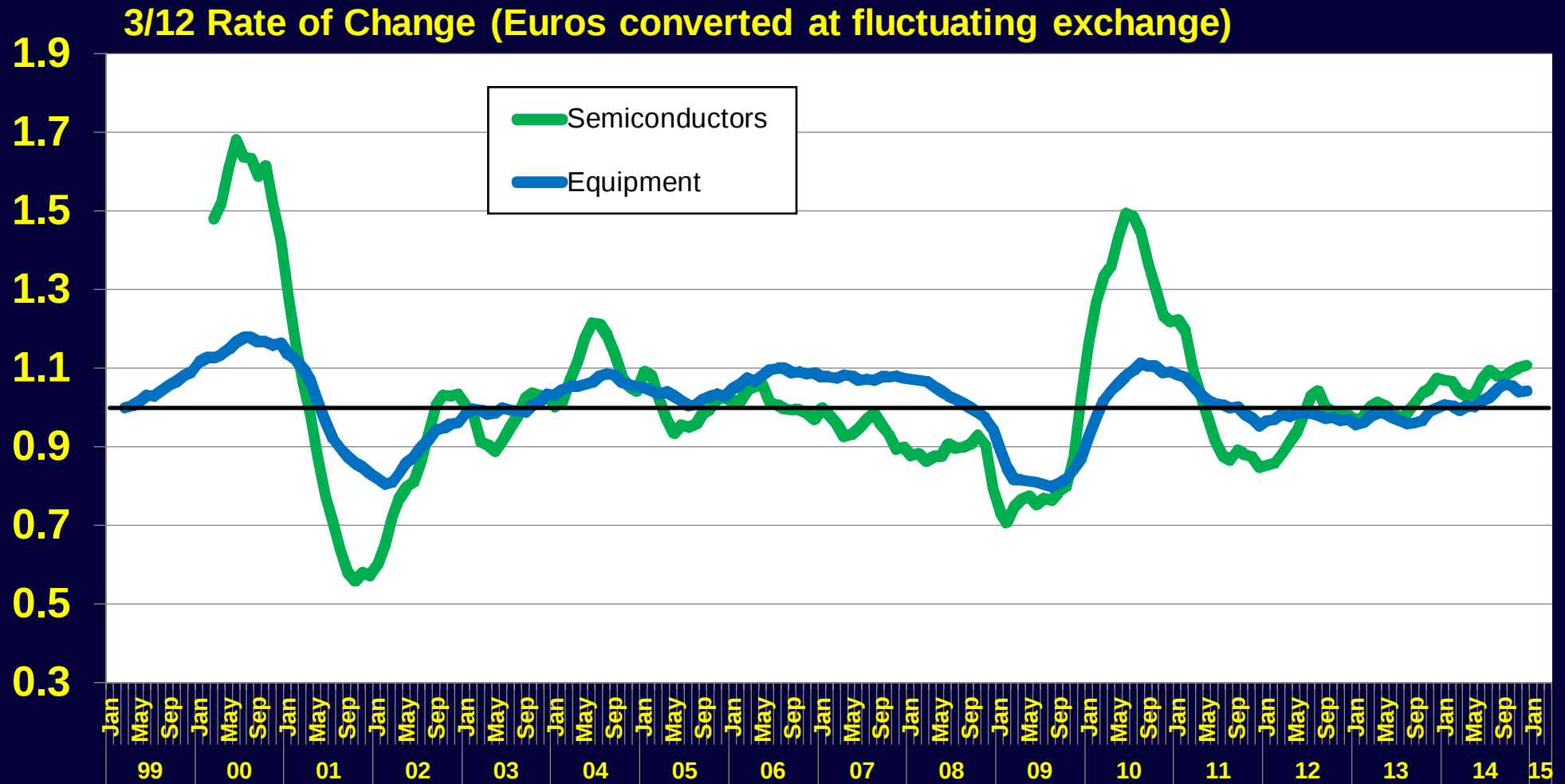


Chart 26

Semiconductor Shipments to Europe vs. European Electronic Equipment Production



Total \$ Semiconductor Shipments from All Countries to Europe www.sia-online.org/,
Eurostat class C26, EU27, European Computer, Electronic & Optical products Production

Chart 27

European Loaded Electronic Board Production



European Electronic Wiring Devices

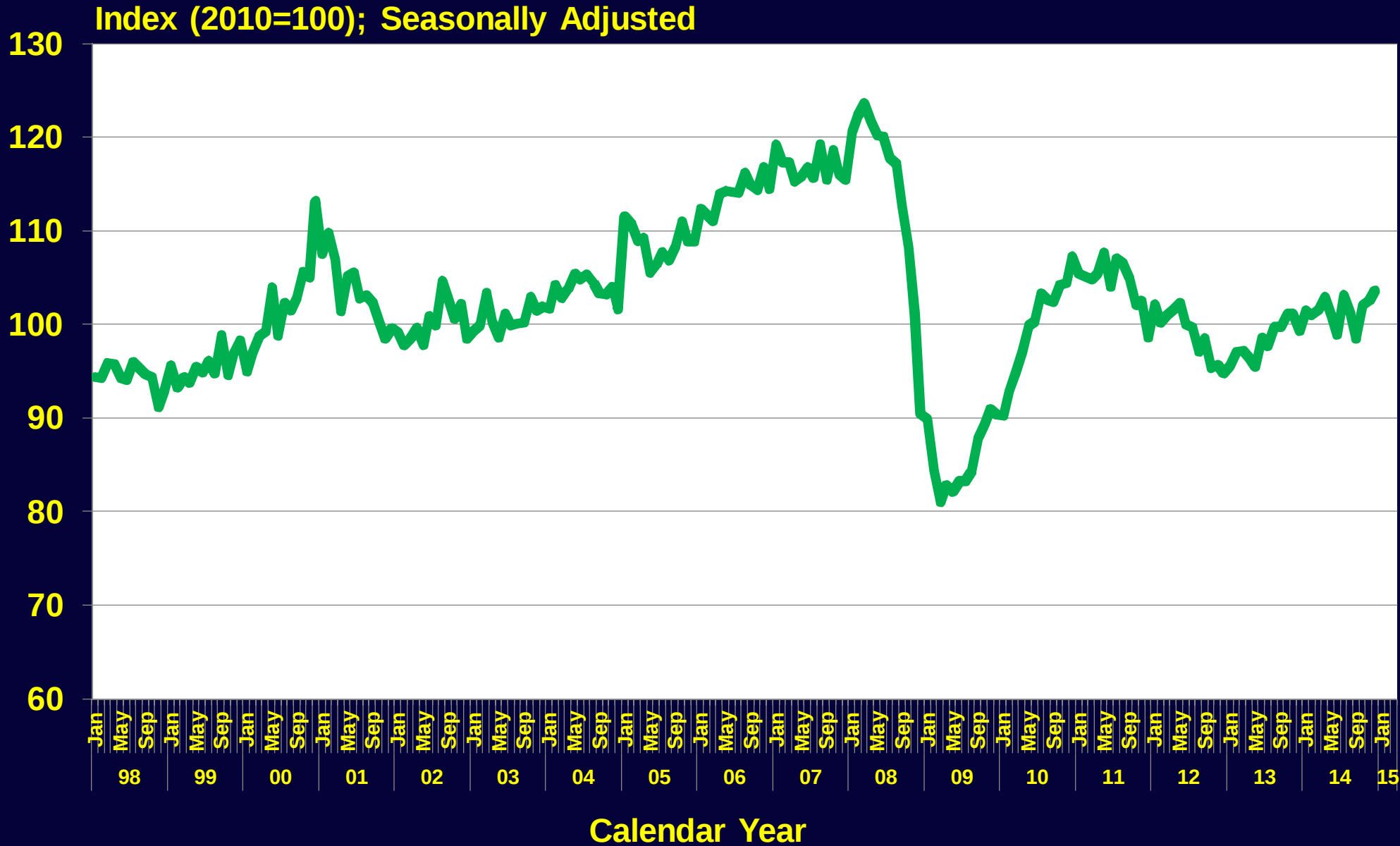
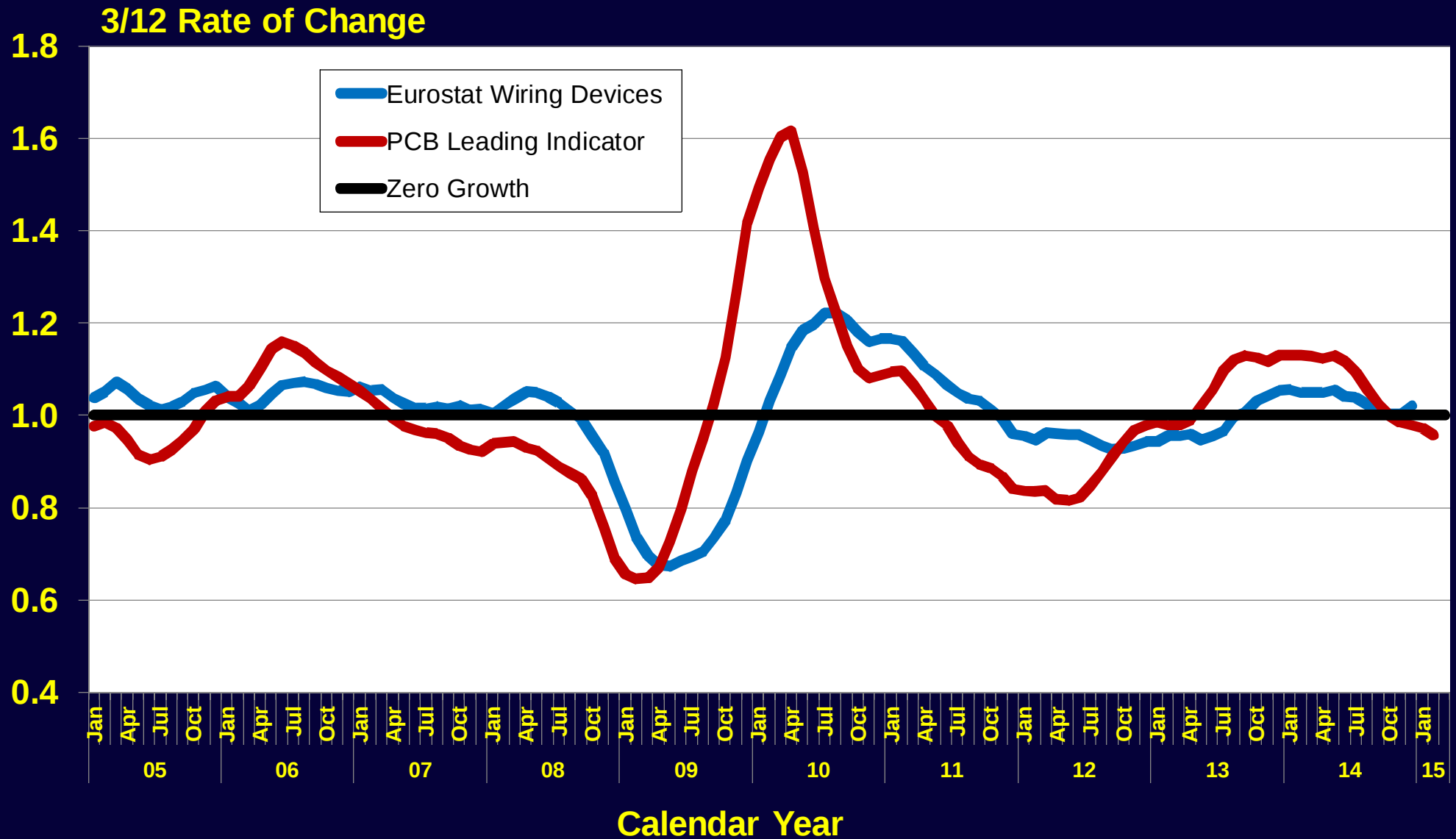


Chart 29

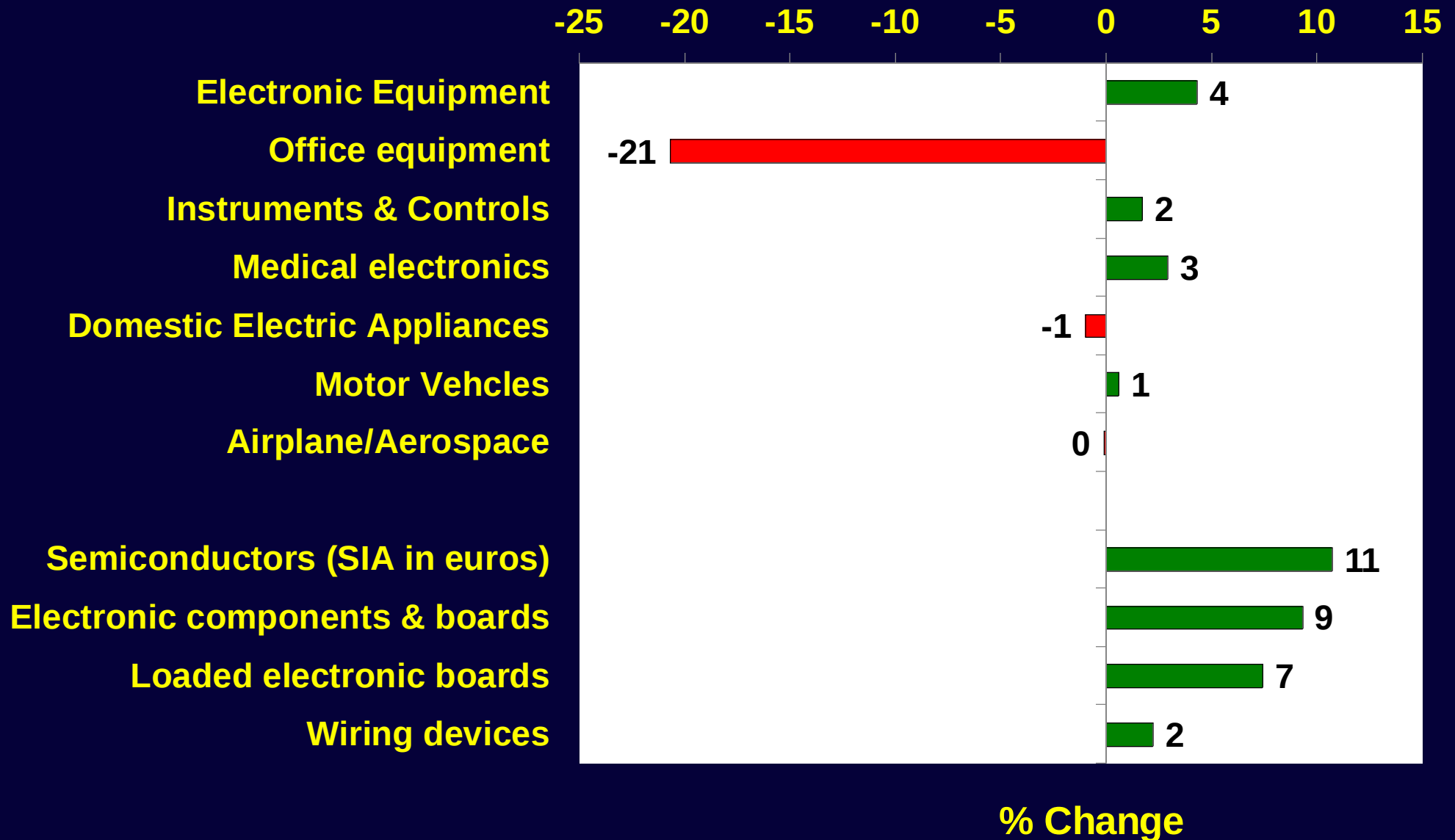
20150214

Europe PMI Leading Indicator vs. Europe Wiring Devices

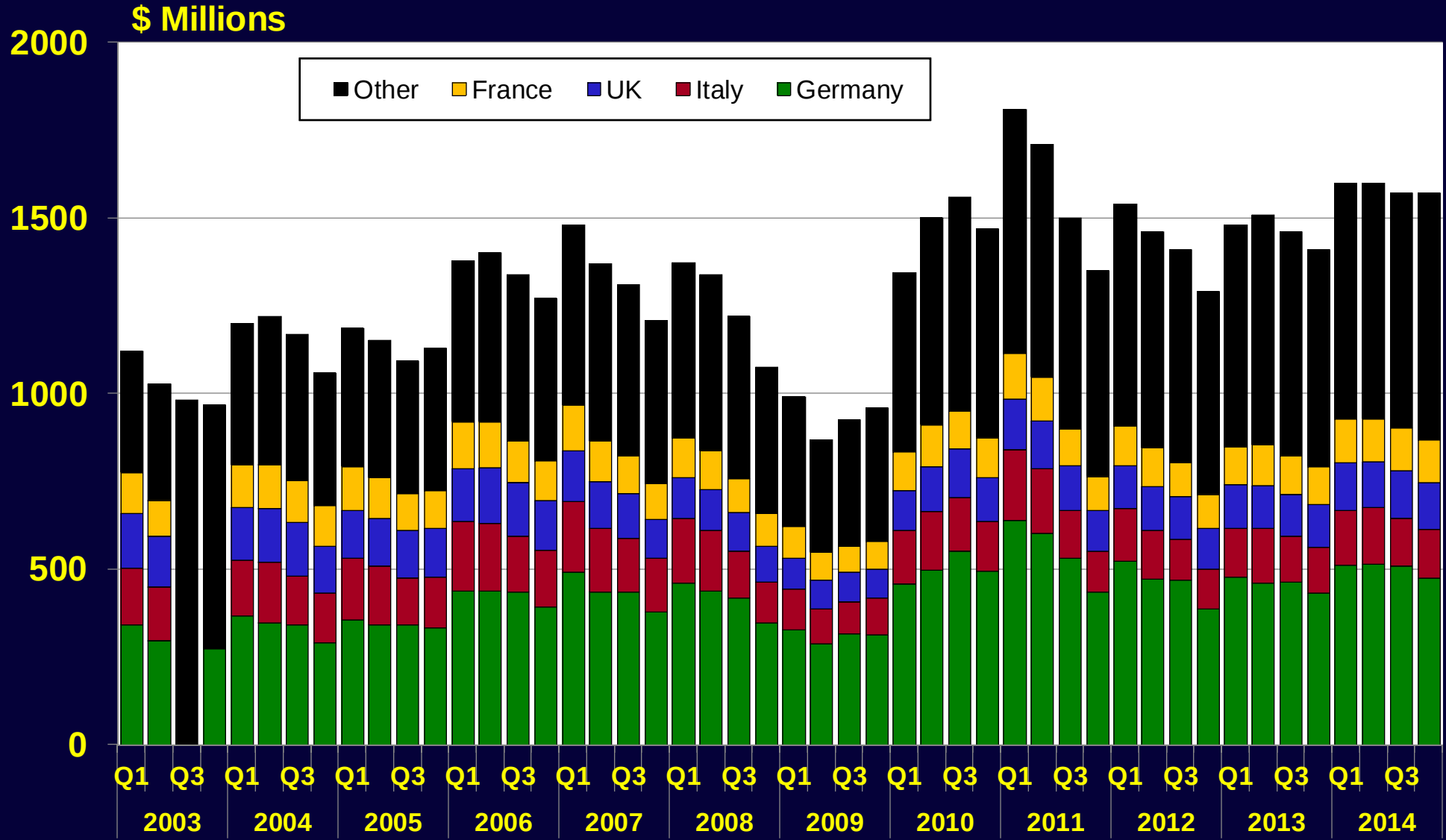


Source: Custer Consulting Group

European Electronic Supply Chain Growth 4Q'14 vs 4Q'13

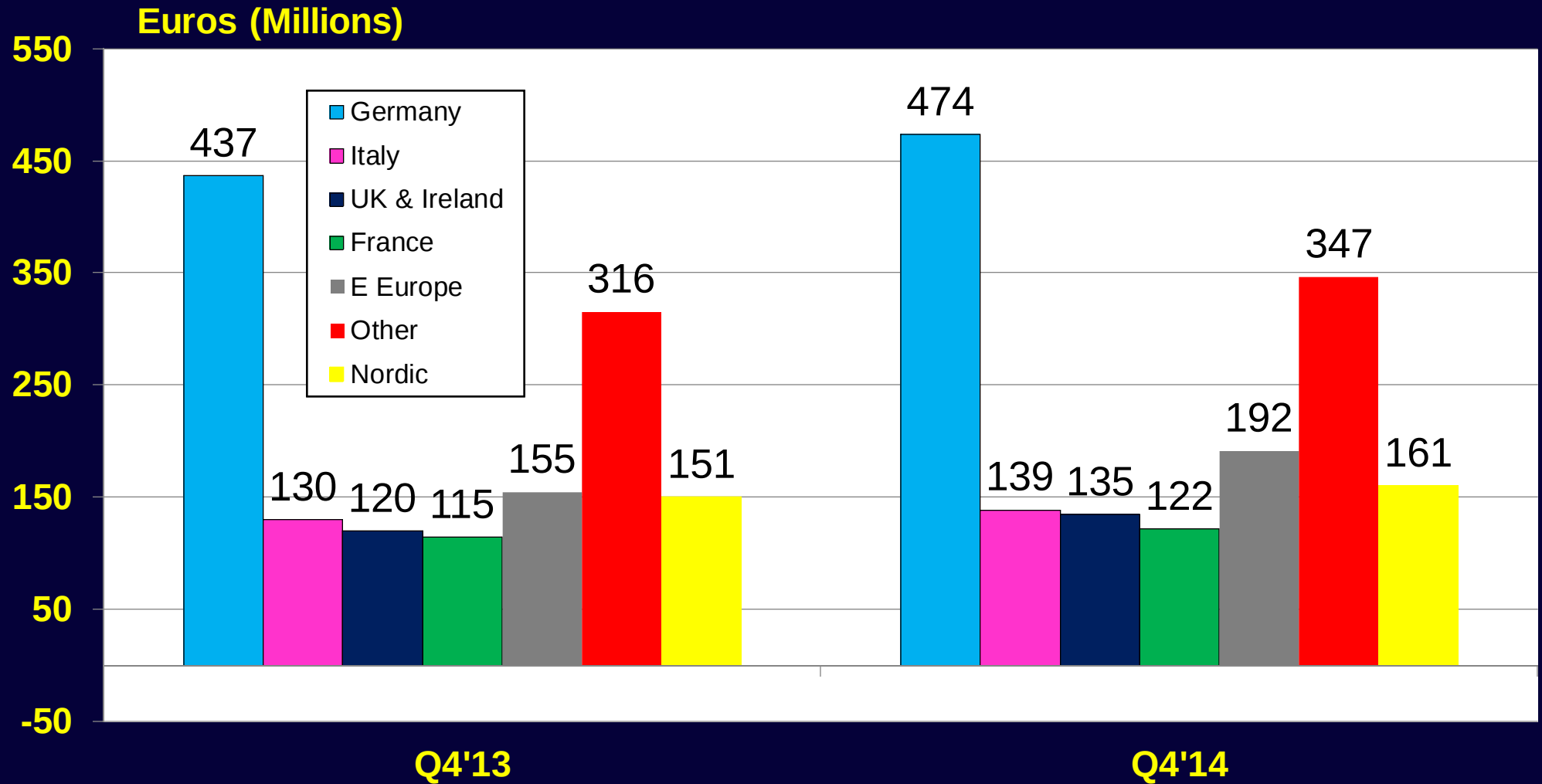


DMASS - European Semiconductor Distribution Industry

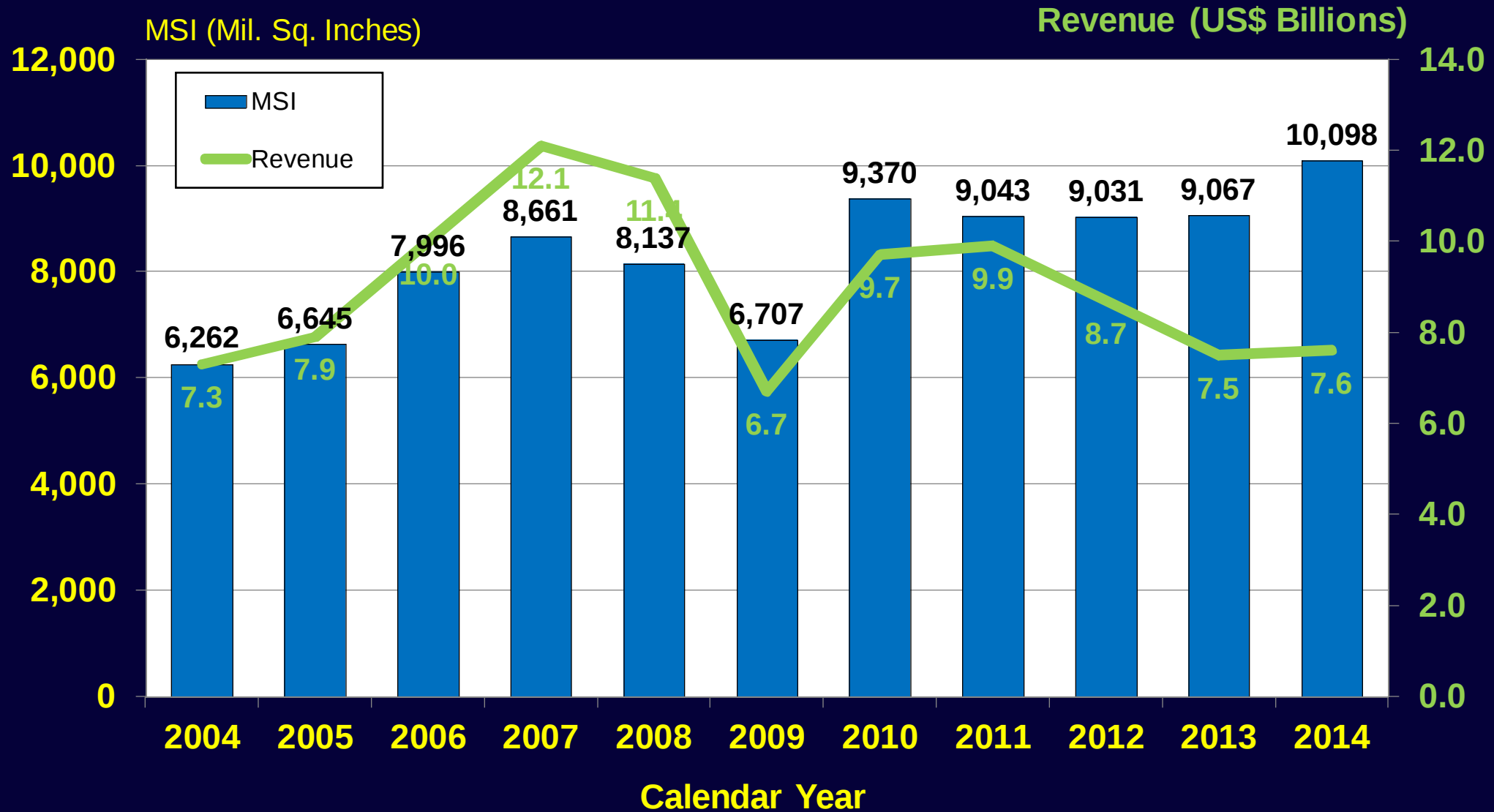


DMASS

European Semiconductor Distribution Industry



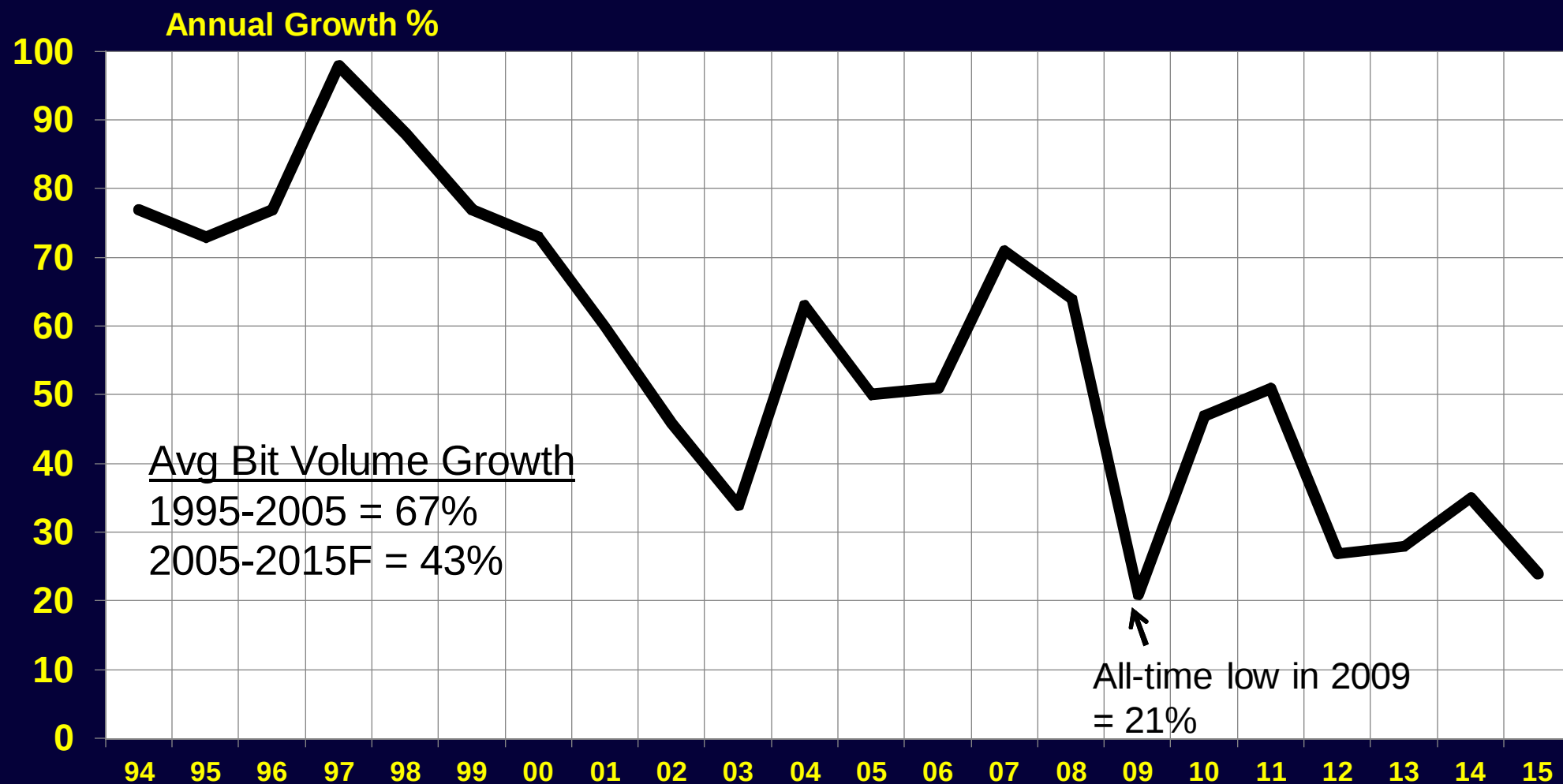
Silicon Wafer Shipments



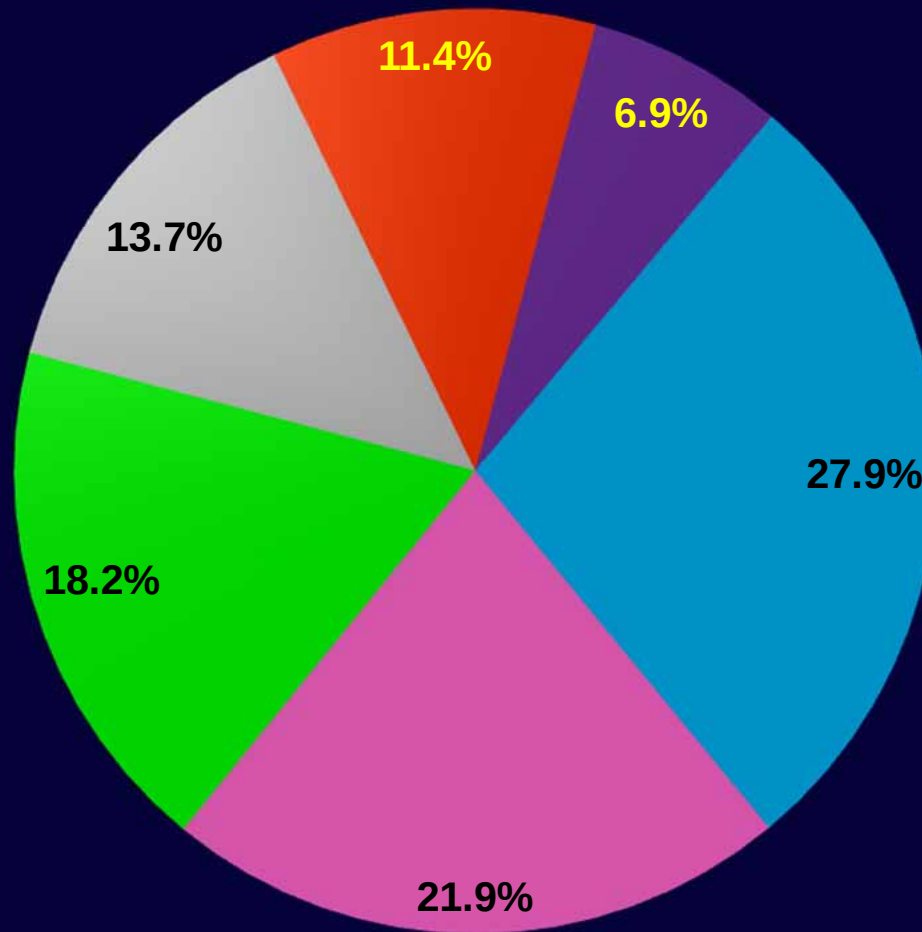
SEMI 2/2015; semiconductors only, does not include solar applications

Chart 34

Annual DRAM Bit Volume Growth



NAND Flash Market 4Q'14



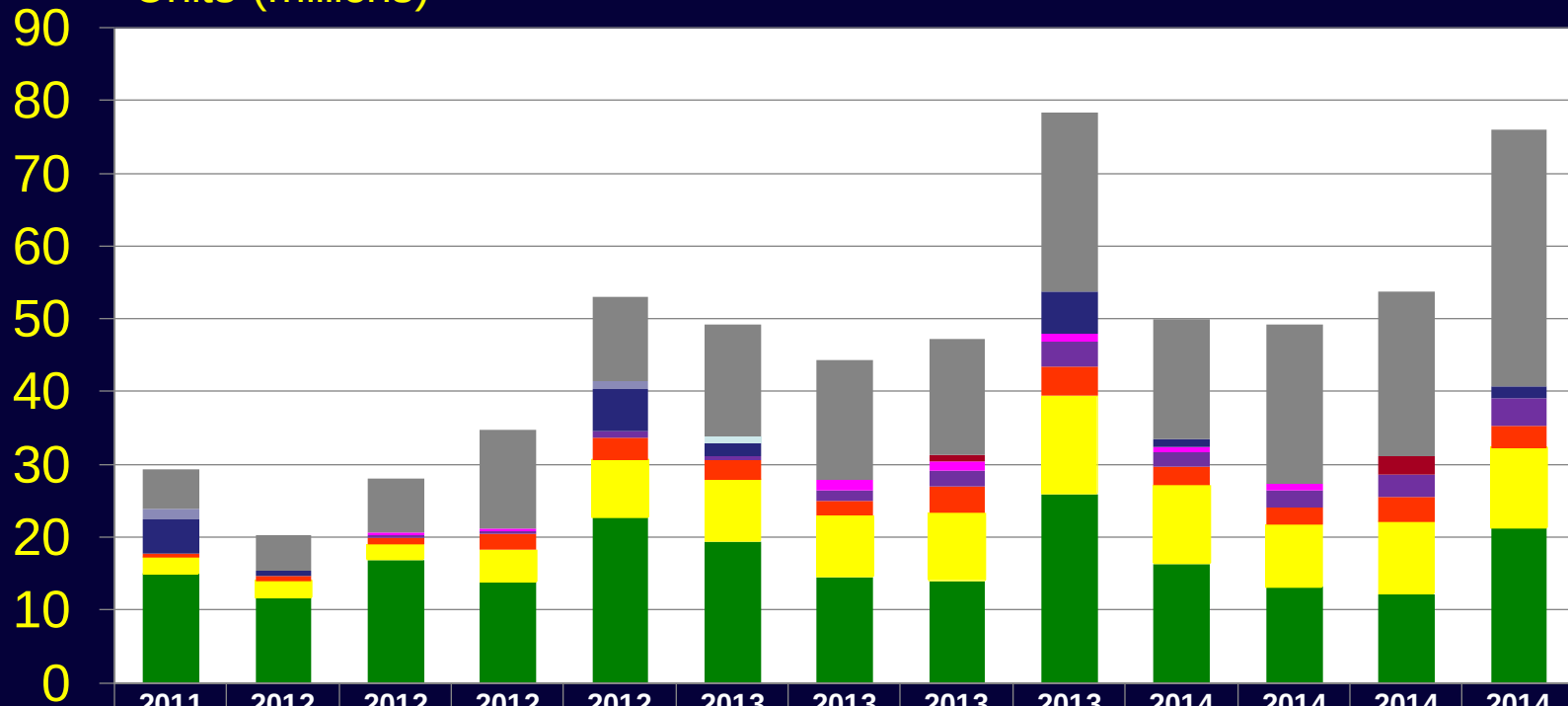
4Q'14 Total: \$8.75 Billion

Chart 36

Media Tablets

World Top 5 Vendors

Units (millions)



Others	5.5	4.9	7.4	13.5	11.6	15.5	16.4	16.0	24.6	16.6	21.9	22.5	35.2
RCA								0.9				2.6	
Barnes & Noble	1.4				1.0								
Microsoft		0.0				0.9							
Amazon	4.7	0.7			5.9	1.8			5.8	1.0			1.7
Acer			0.4	0.3			1.5	1.2	1.1	0.7	1.0		
Lenovo			0.4	0.4	0.8	0.6	1.5	2.3	3.4	2.0	2.4	3.0	3.7
Asus	0.6	0.6	0.9	2.3	3.1	2.6	2.0	3.6	4.0	2.6	2.3	3.5	3.0
Samsung	2.2	2.3	2.1	4.3	7.8	8.5	8.4	9.3	13.5	10.8	8.5	9.9	11.0
Apple	15.1	11.8	17.0	14.0	22.9	19.5	14.6	14.1	26.0	16.4	13.3	12.3	21.4

Chart 37

Labor Cost Savings by Adopting Advanced Industrial Robots

