

Chart 1

China "Purchasing Managers" Index

>50 = Growth

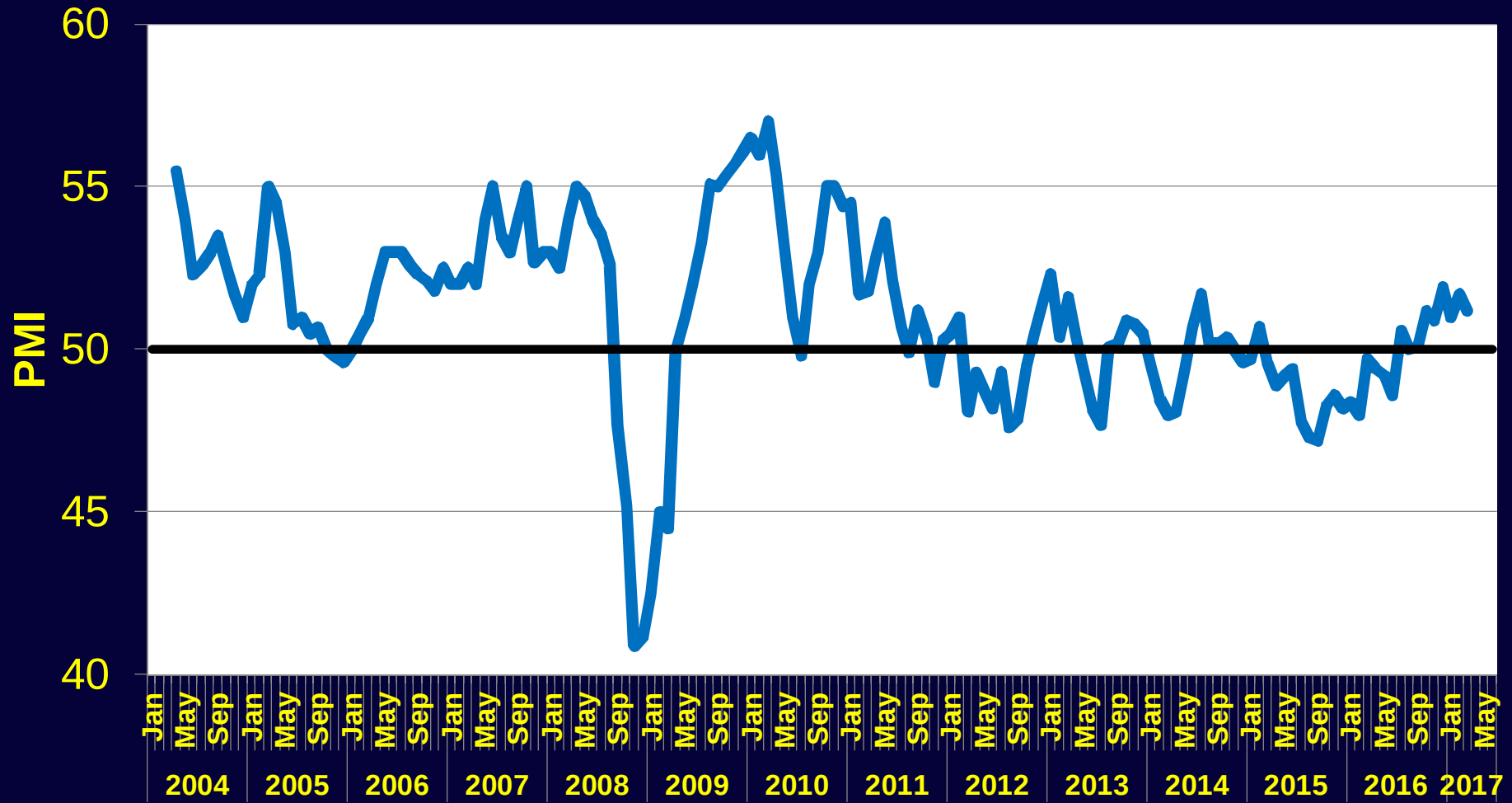


Chart 2

Taiwan "Purchasing Managers" Index

>50 = Growth

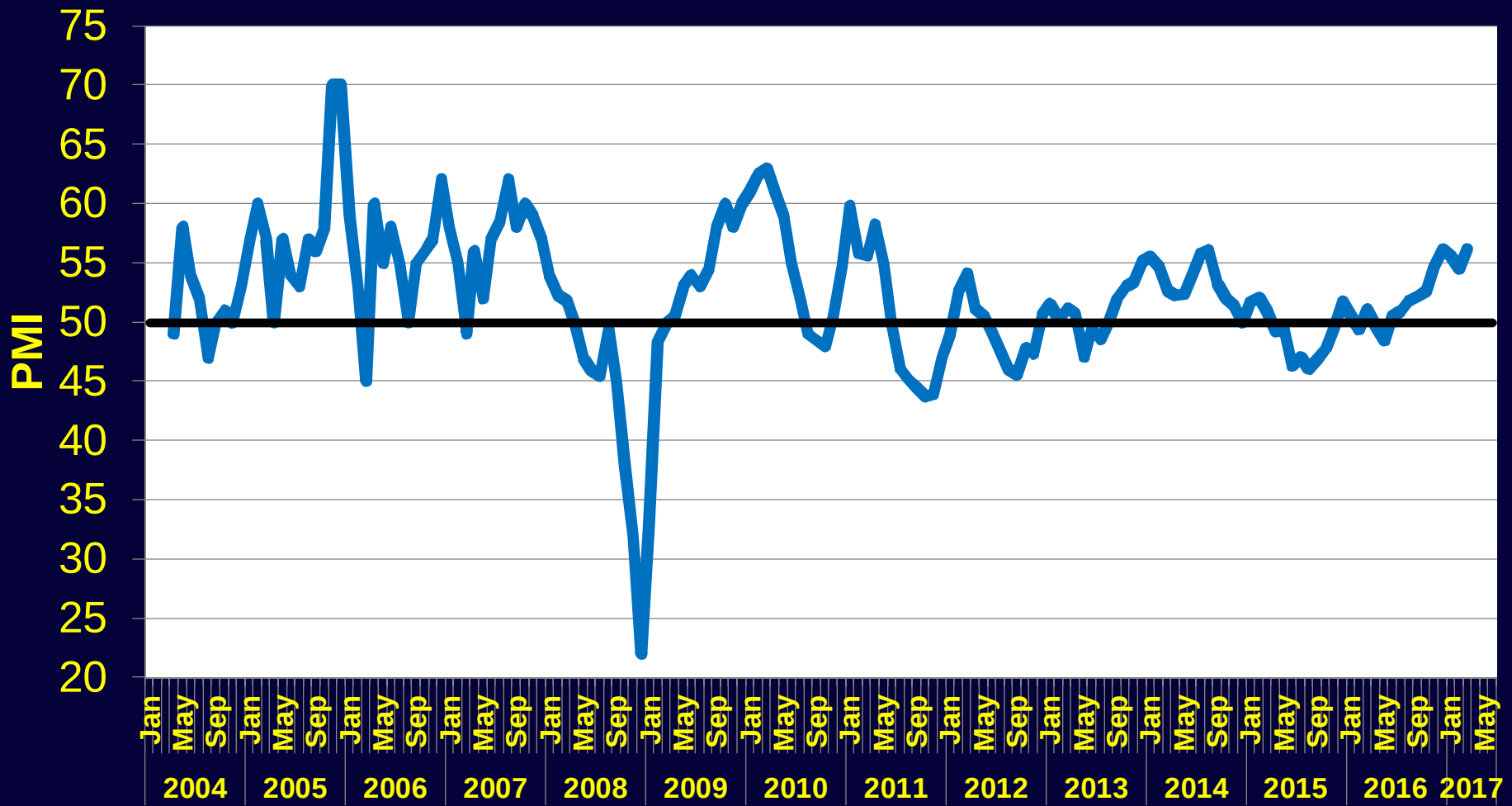
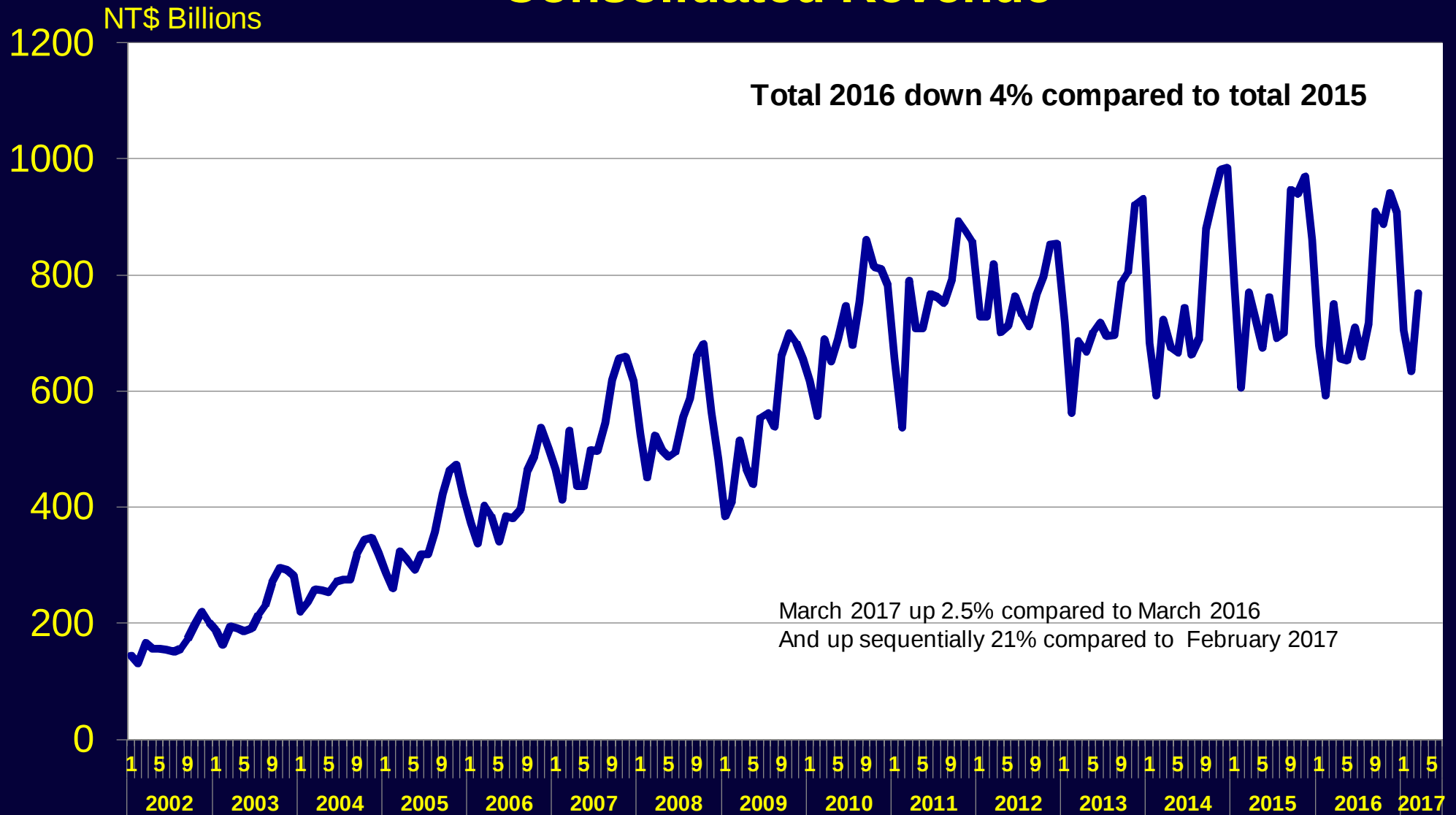


Chart 3

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

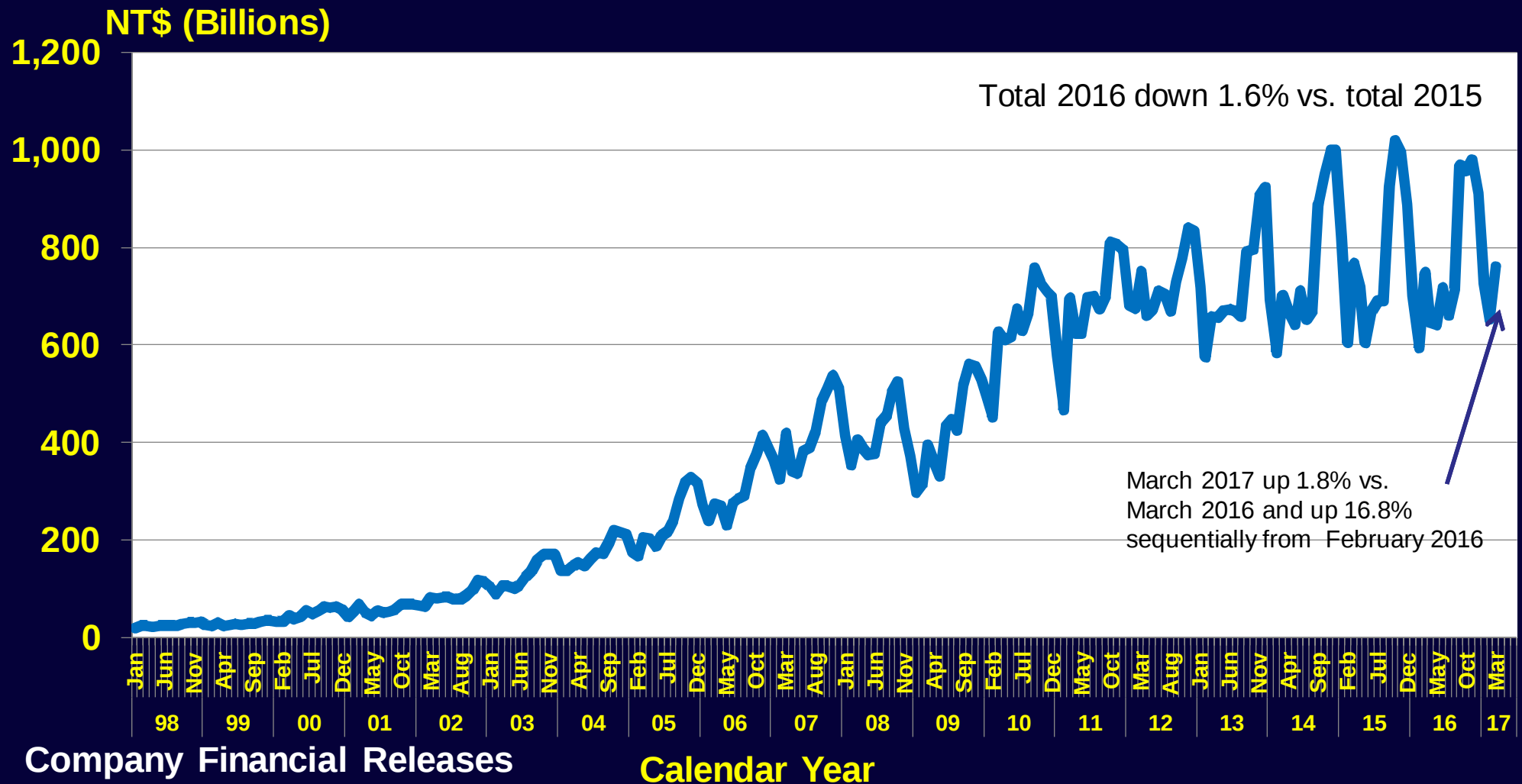


Taiwan listed companies, often with significant manufacturing in China

Chart 4

Taiwan ODM Companies

Composite Sales of 11 Large Manufacturers



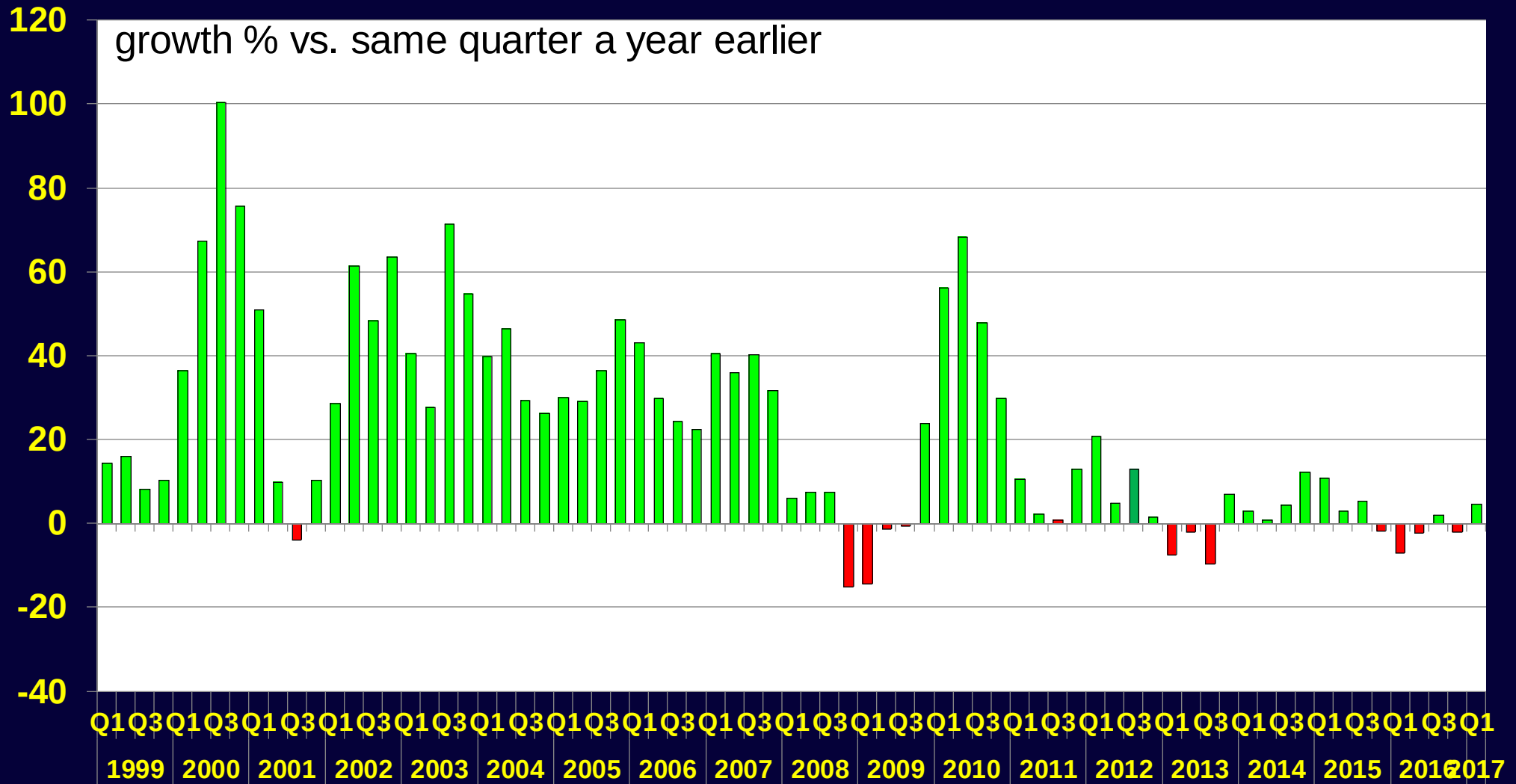
Asustek Computer, Chei Mei, Compal Electronics, Foxconn, Chimei Innolux, Inventec, Inventec Appliance, Lite On Technology, Mitac International, Pegatron, Quanta Computer, Wistron, Chei Mei Display replacing Chei Mei & Innolux Display 3/10 & later

Chart 5

Large ODM Companies

Composite of 11 Taiwan-listed Manufacturers

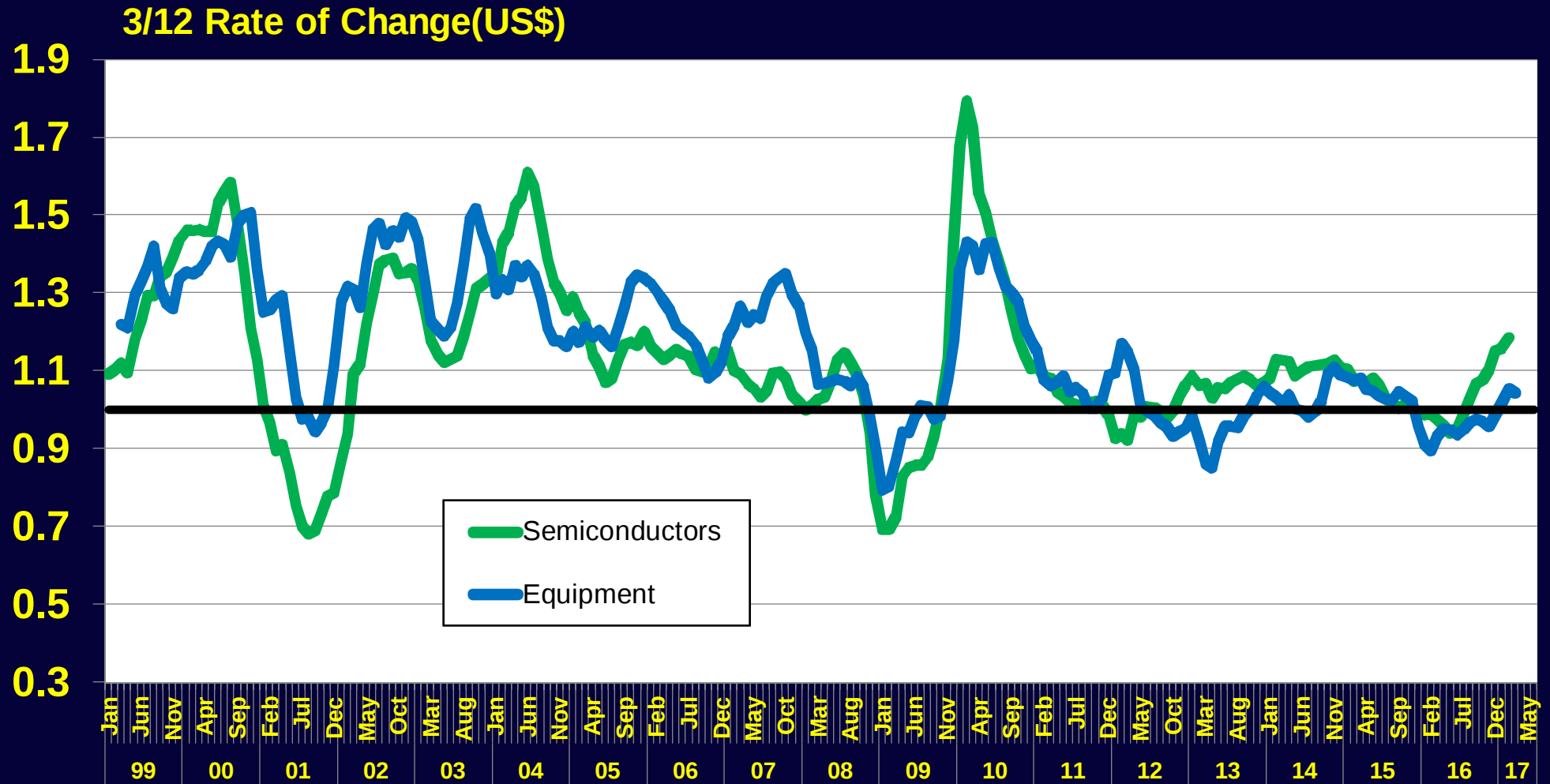
Quarterly Revenue Growth in NT\$



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

Chart 6

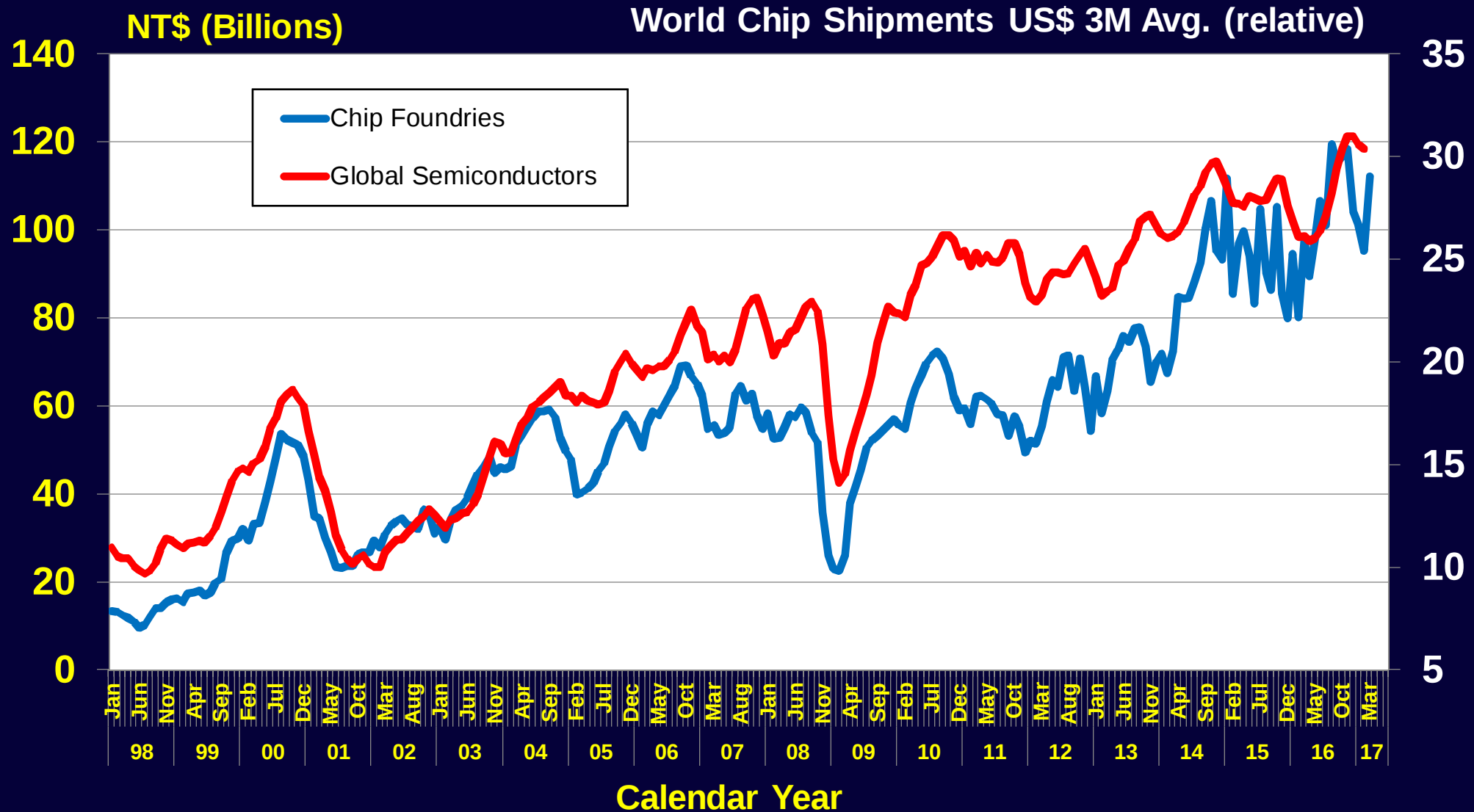
Semiconductor Shipments to Asia/Pacific vs. Taiwan/China Electronic Equipment Production



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

Chart 7

Taiwan Wafer Foundry Composite vs. Global Semiconductor Revenues



14 Taiwan Company Financial Releases & SIA

Chart 8

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, Thalin Semiconductor, Vate Tech, Walton Advanced Tech

Taiwan Memory Companies Composite of 8 Manufacturers



Chart 10 Taiwan Passive Component Companies Composite Sales of 25 Manufacturers



Chilsin Electronics, Cyntec, (FCE) Feei Cheng Enterprise, Holy Stone Enterprise, 3H (Honey Hope Honest 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 11

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 12

Taiwan Rigid & Flex PCB Shipments

Broad Composite of 46 Taiwan-listed Manufacturers

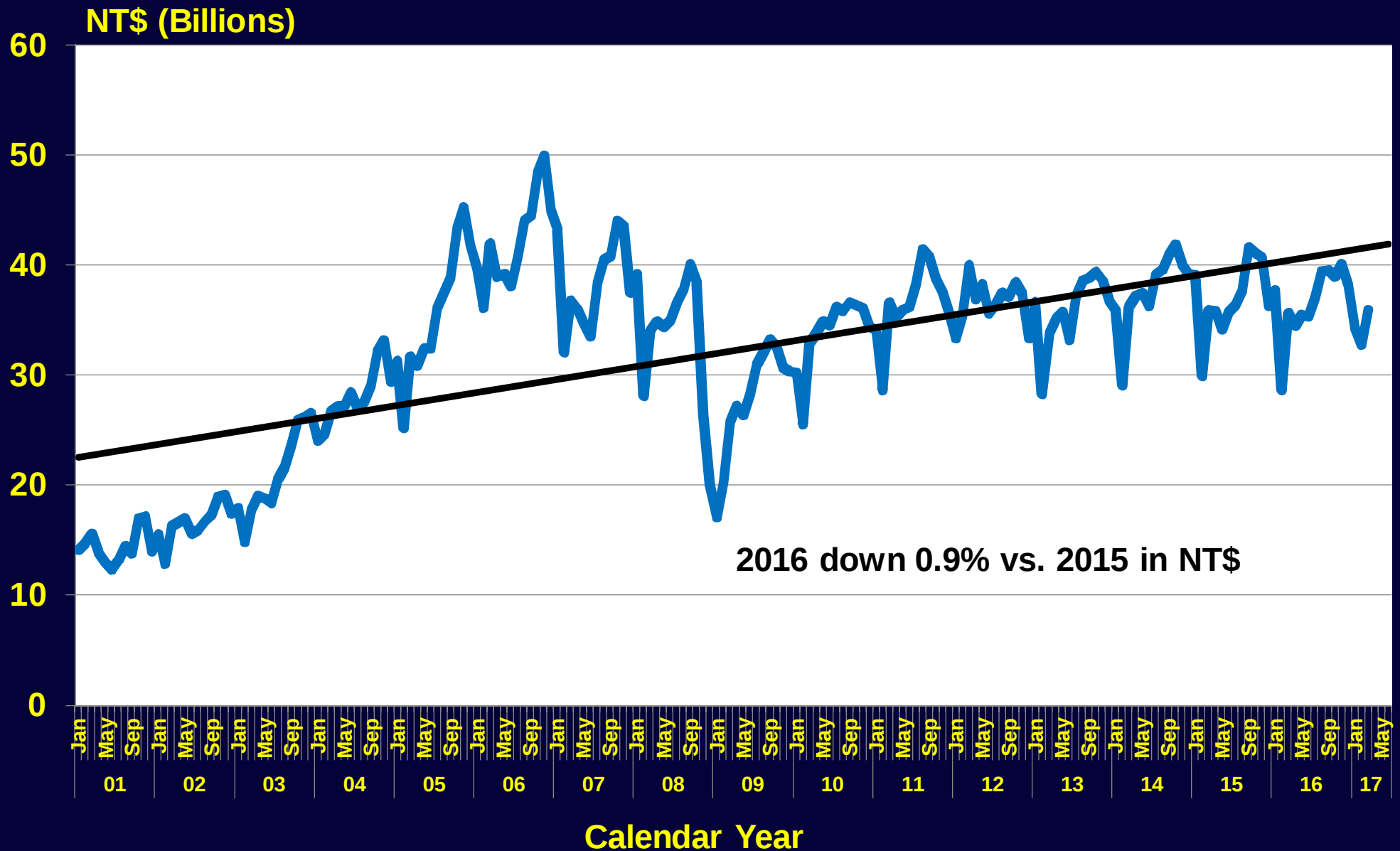
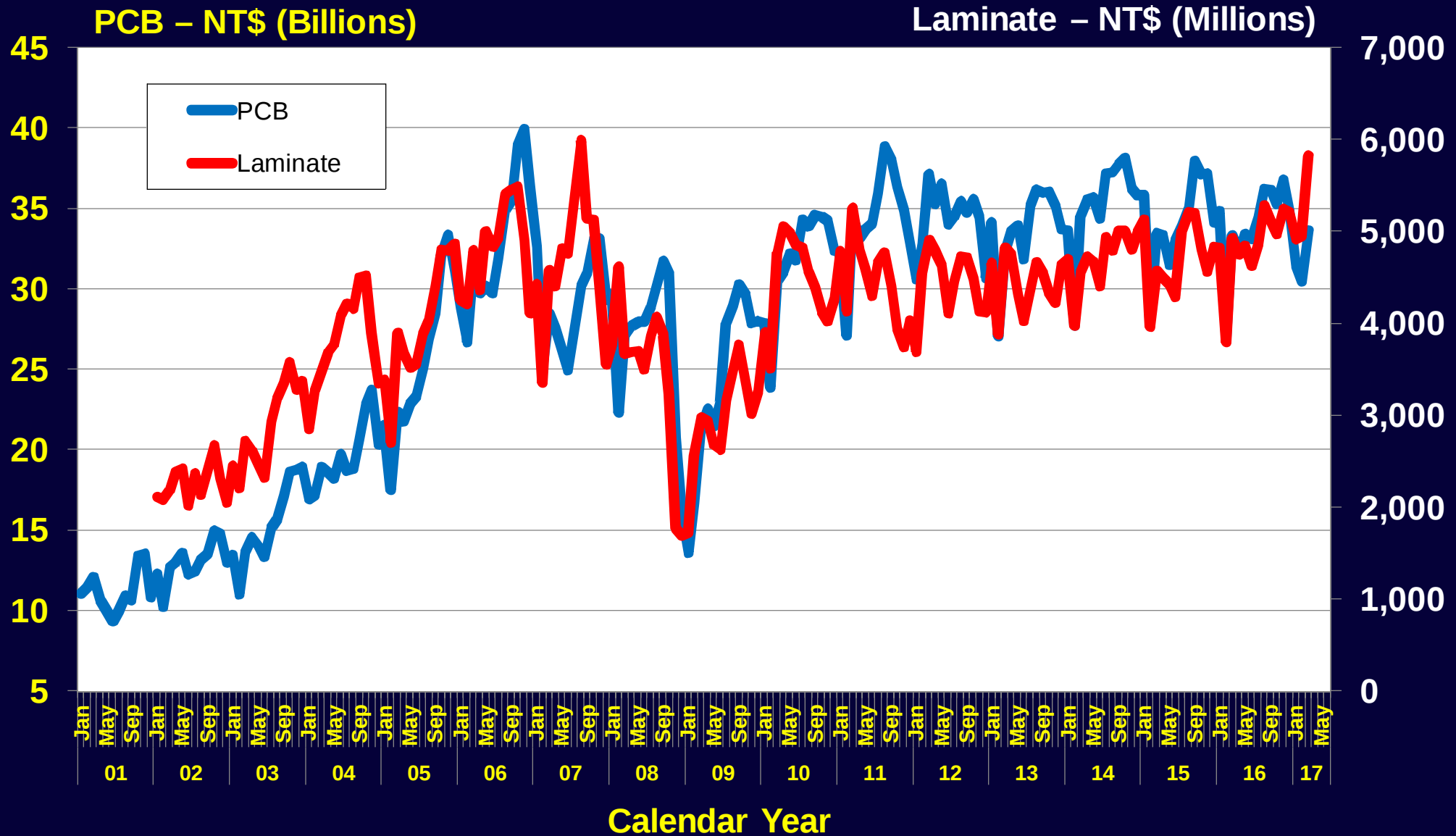


Chart 13

Taiwan Shipments

42 Rigid PCB & 8 Laminate Manufacturers

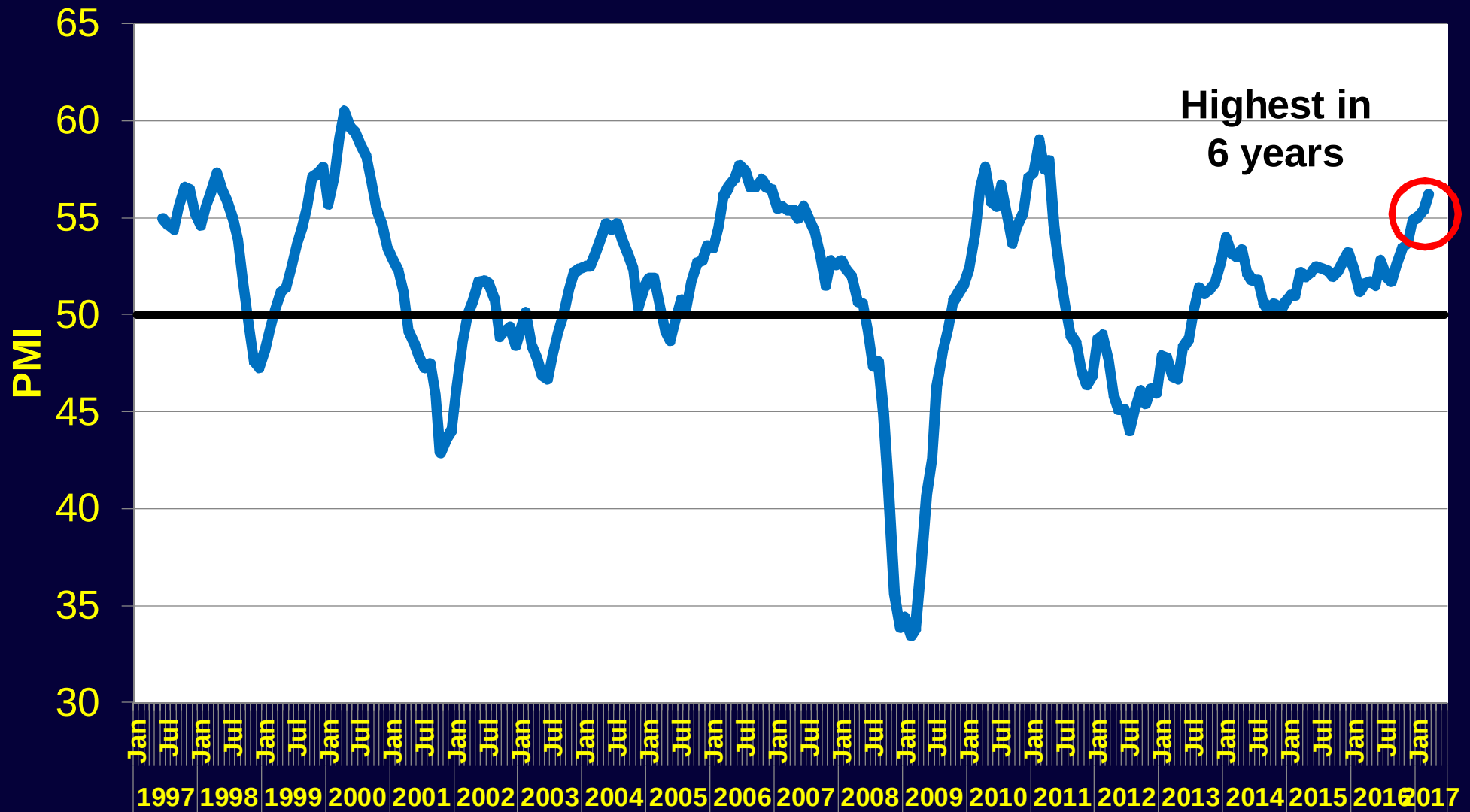


Company Financial Releases

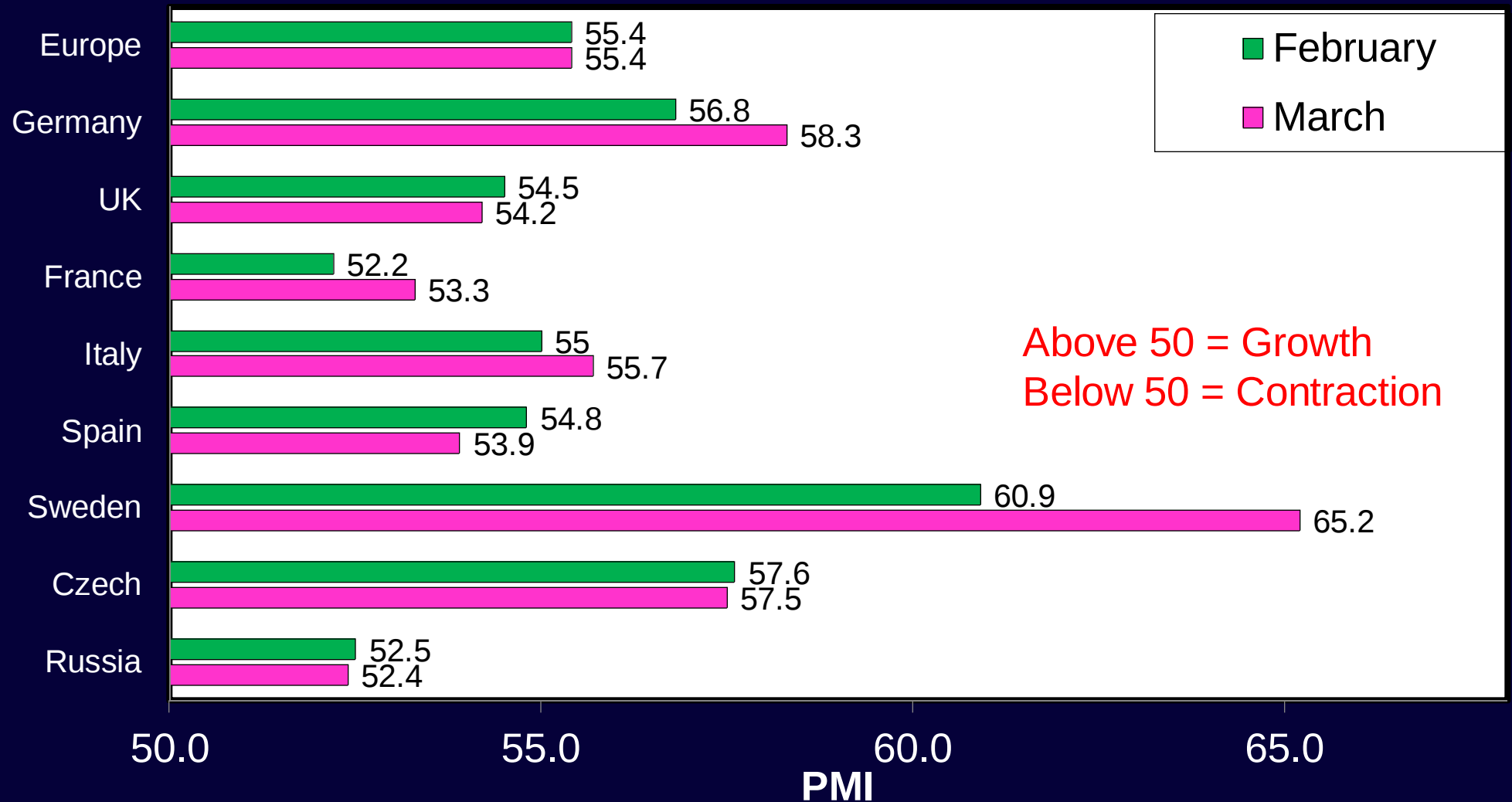
Chart 14

Eurozone "Purchasing Managers" Index

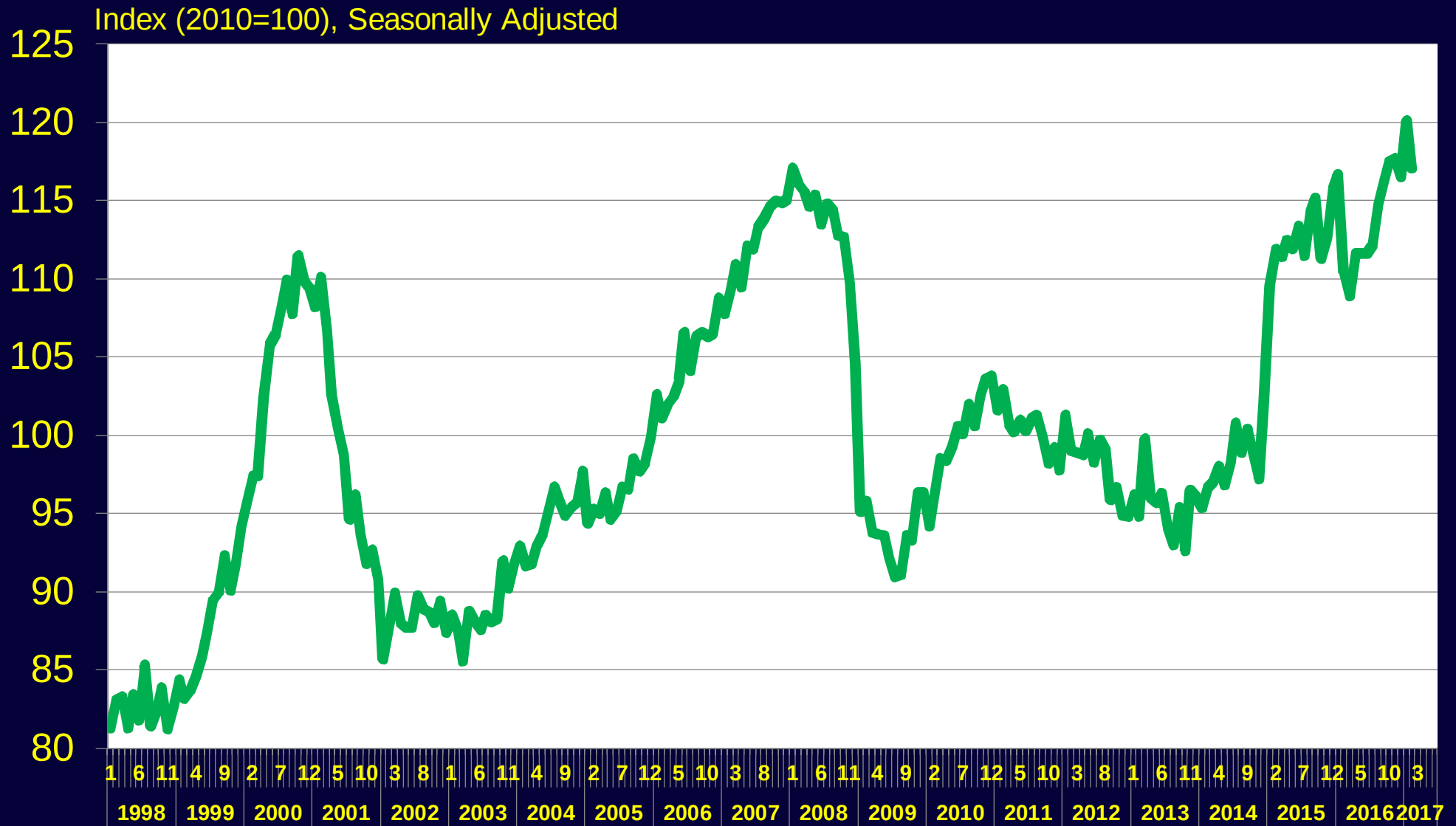
Diffusion Index, >50 = Growth



European Purchasing Managers' Indices March vs February 2017



European Computer, Electronic & Optical Products Production



Europe- EU27

Manufacture of computer, electronic & optical products

12/12 & 3/12 Rate of Change

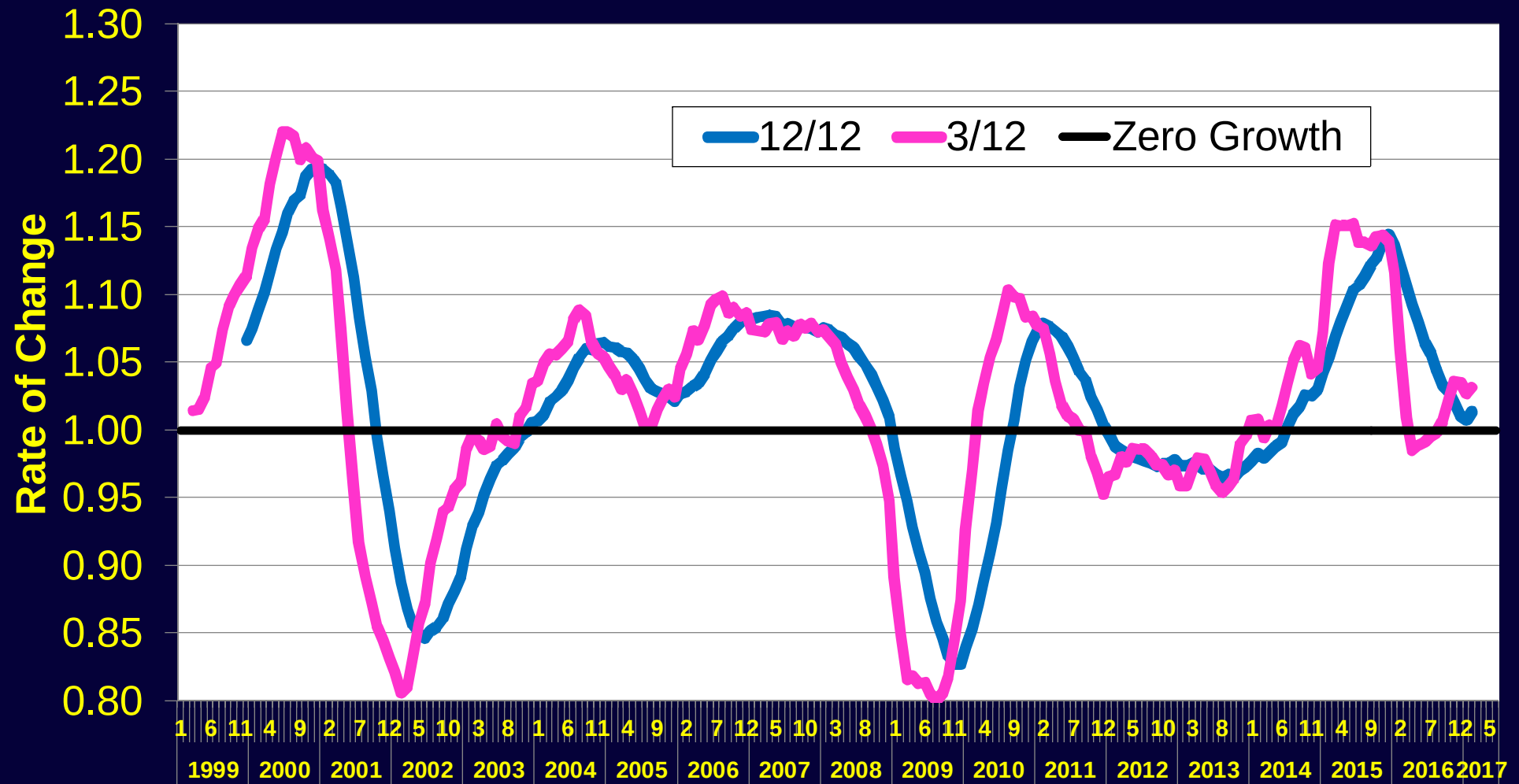
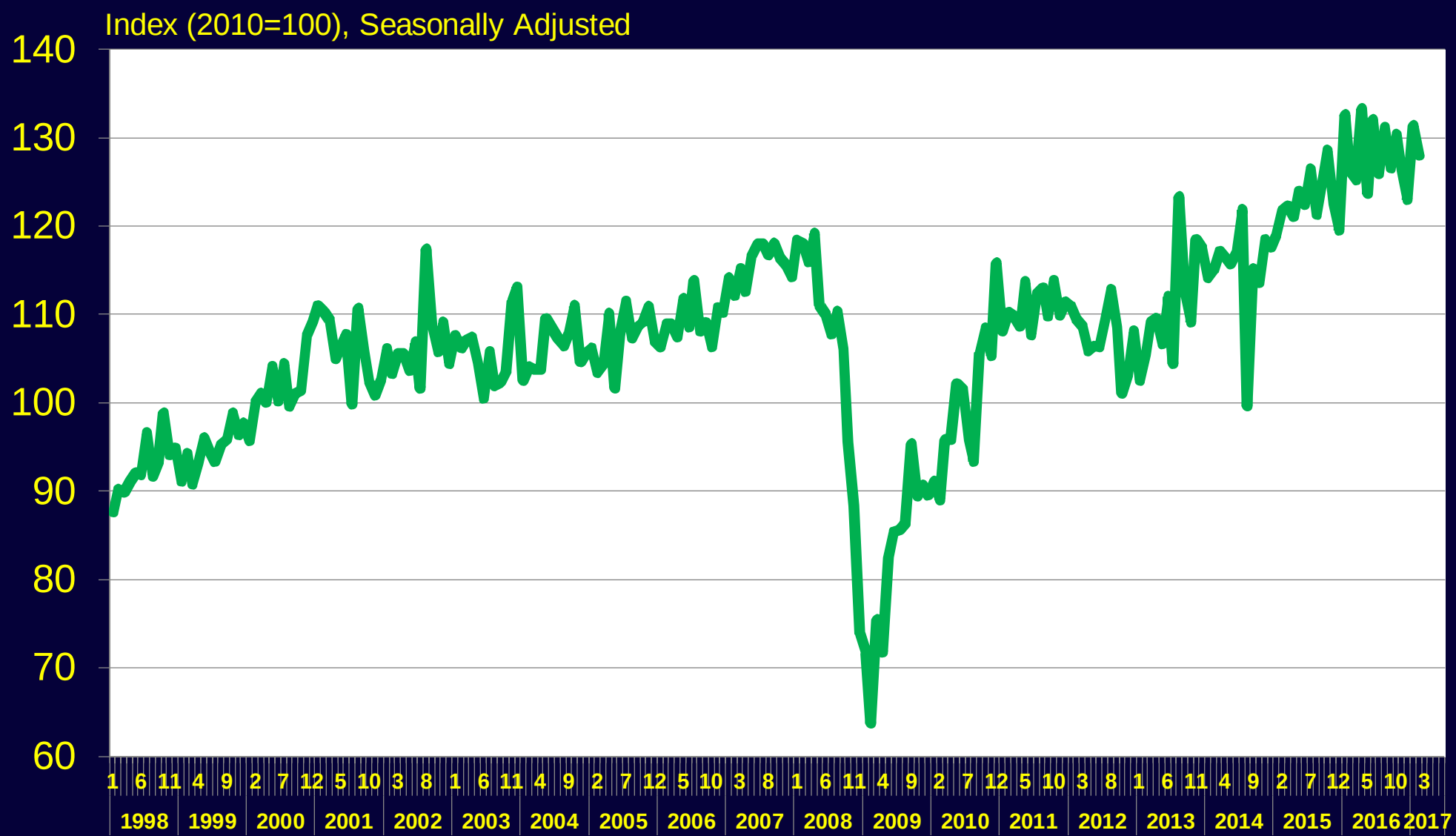


Chart 18

European Motor Vehicle Production



Eurostat, C291 category, EU 27 countries

Chart 19

European Production - Aircraft, Spacecraft & Related Equipment

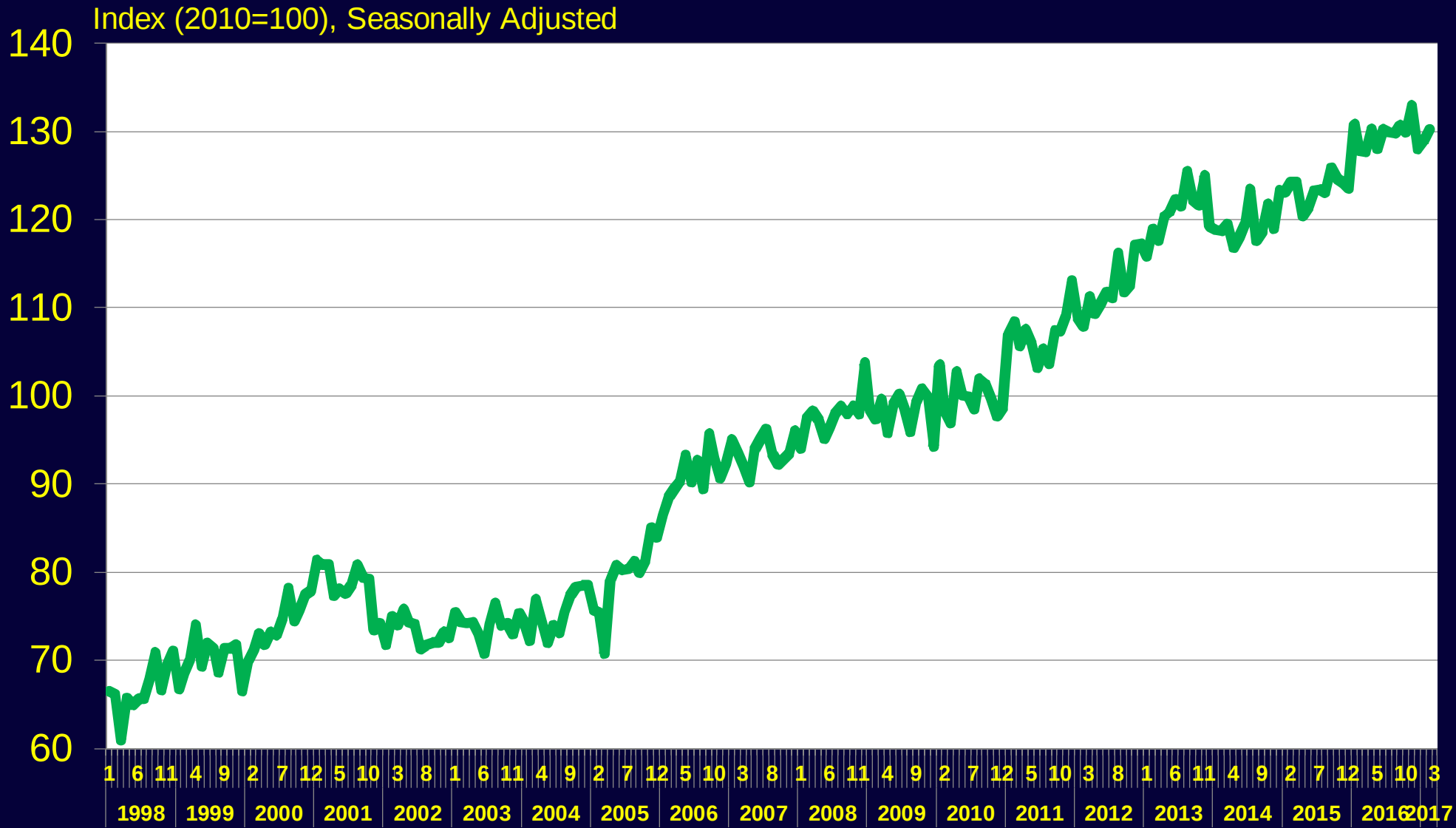


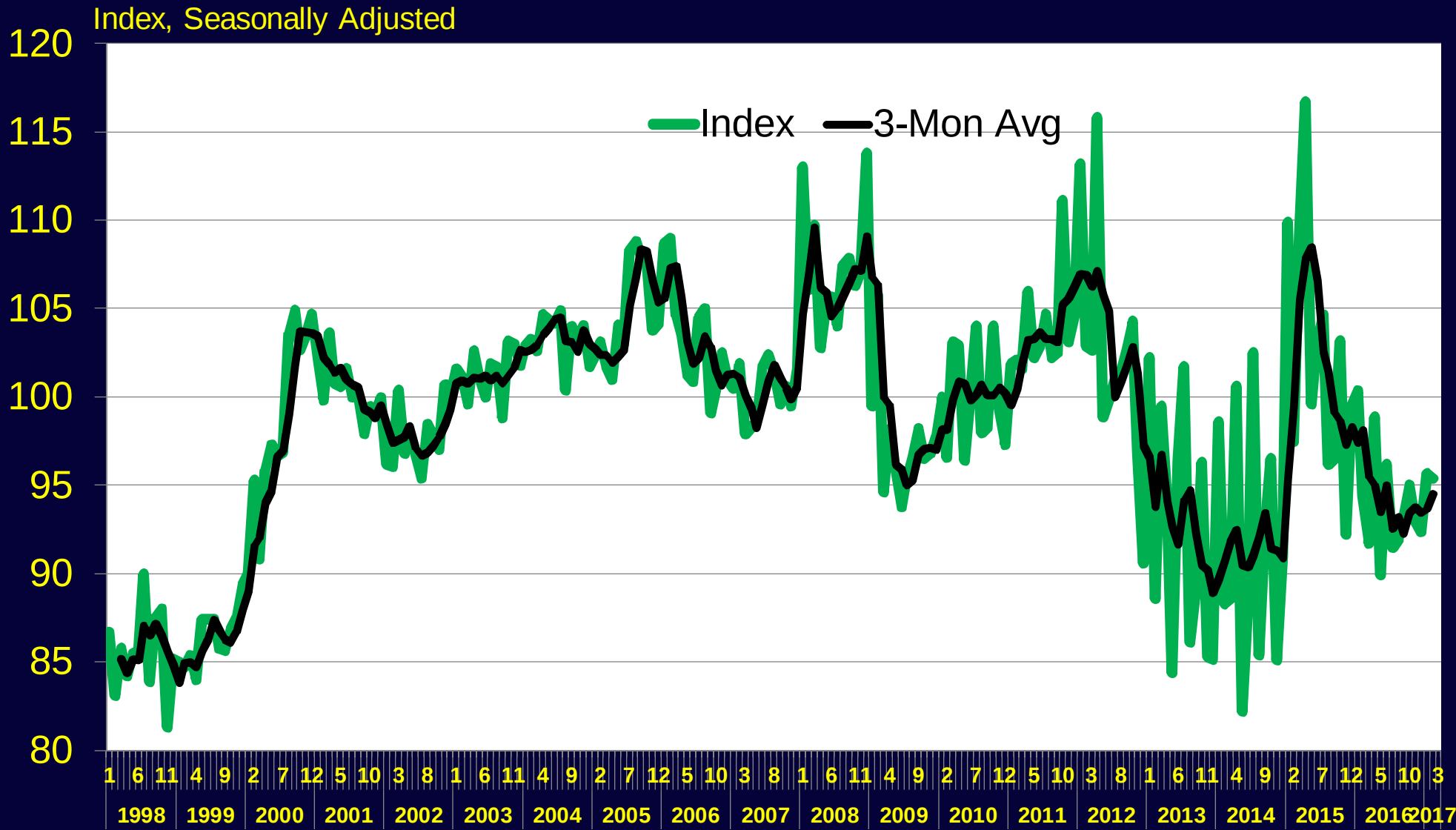
Chart 20

European Production Instruments & Appliances for Measuring, Testing & Navigation



Chart 21

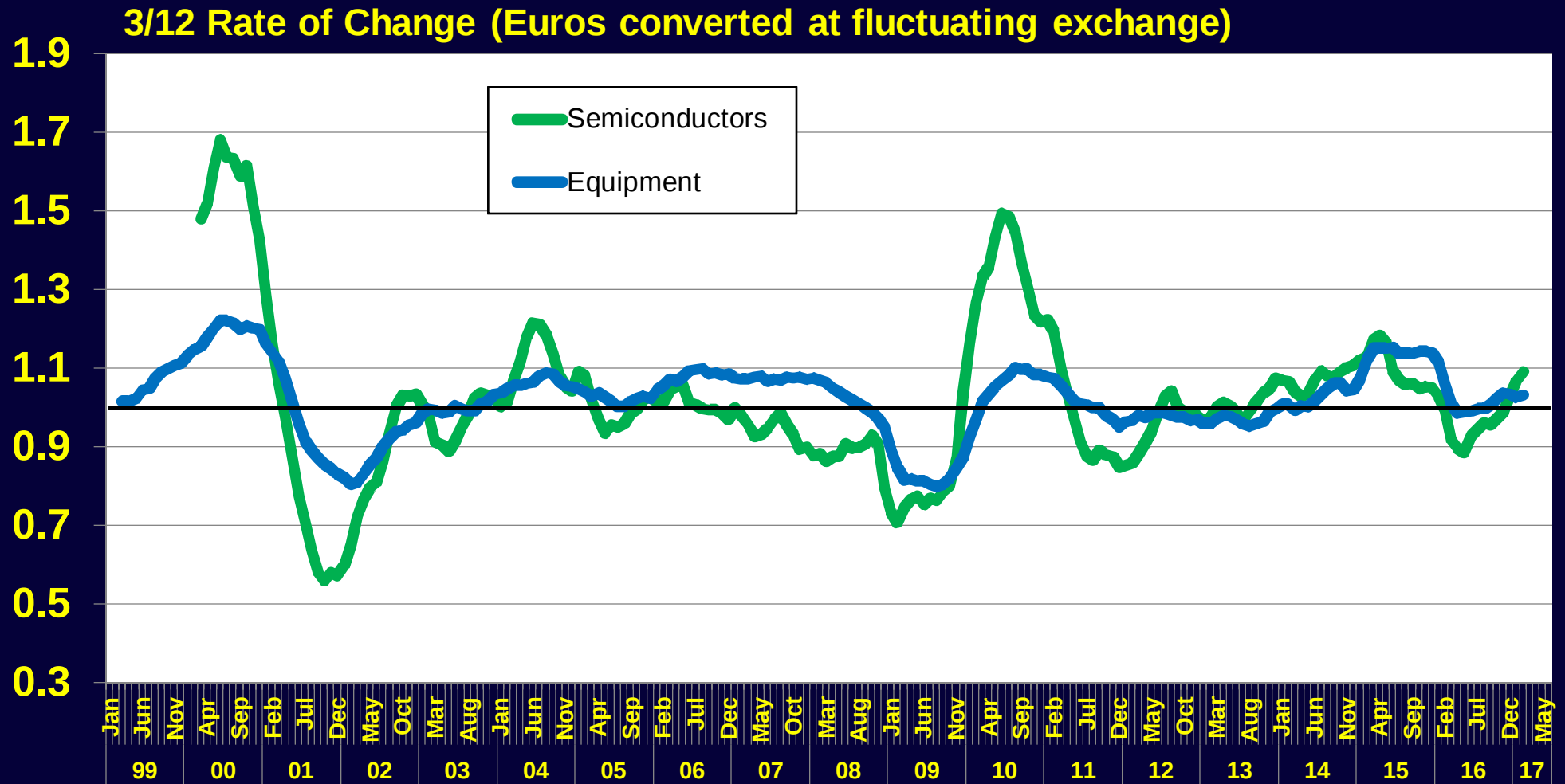
European Production Irradiation, Electromedical & Electrotherapeutic Equipment



Eurostat, C266 category, EU 27 countries

Chart 22

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 23

European Loaded Electronic Board Production



Chart 24

European Electronic Wiring Devices

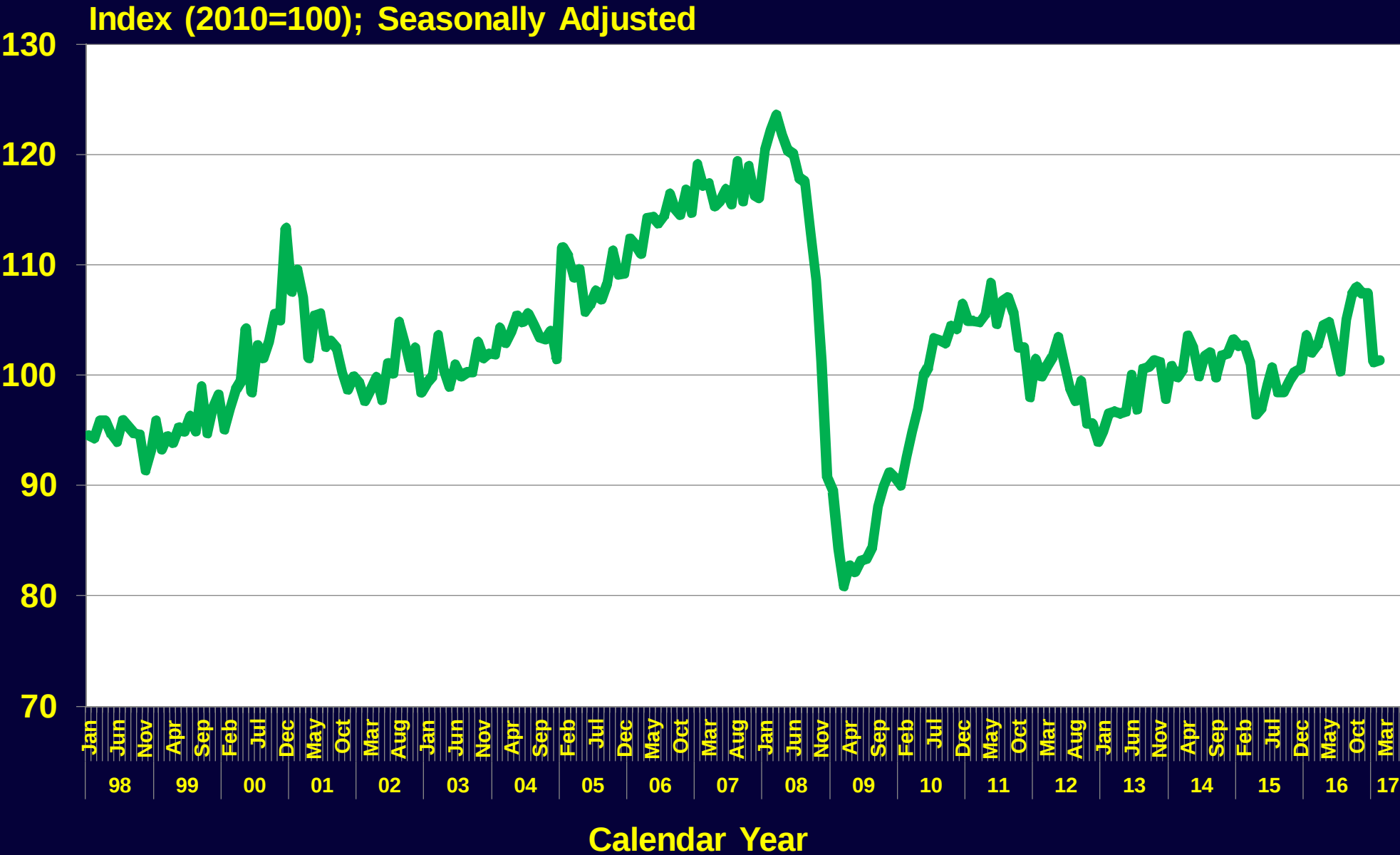
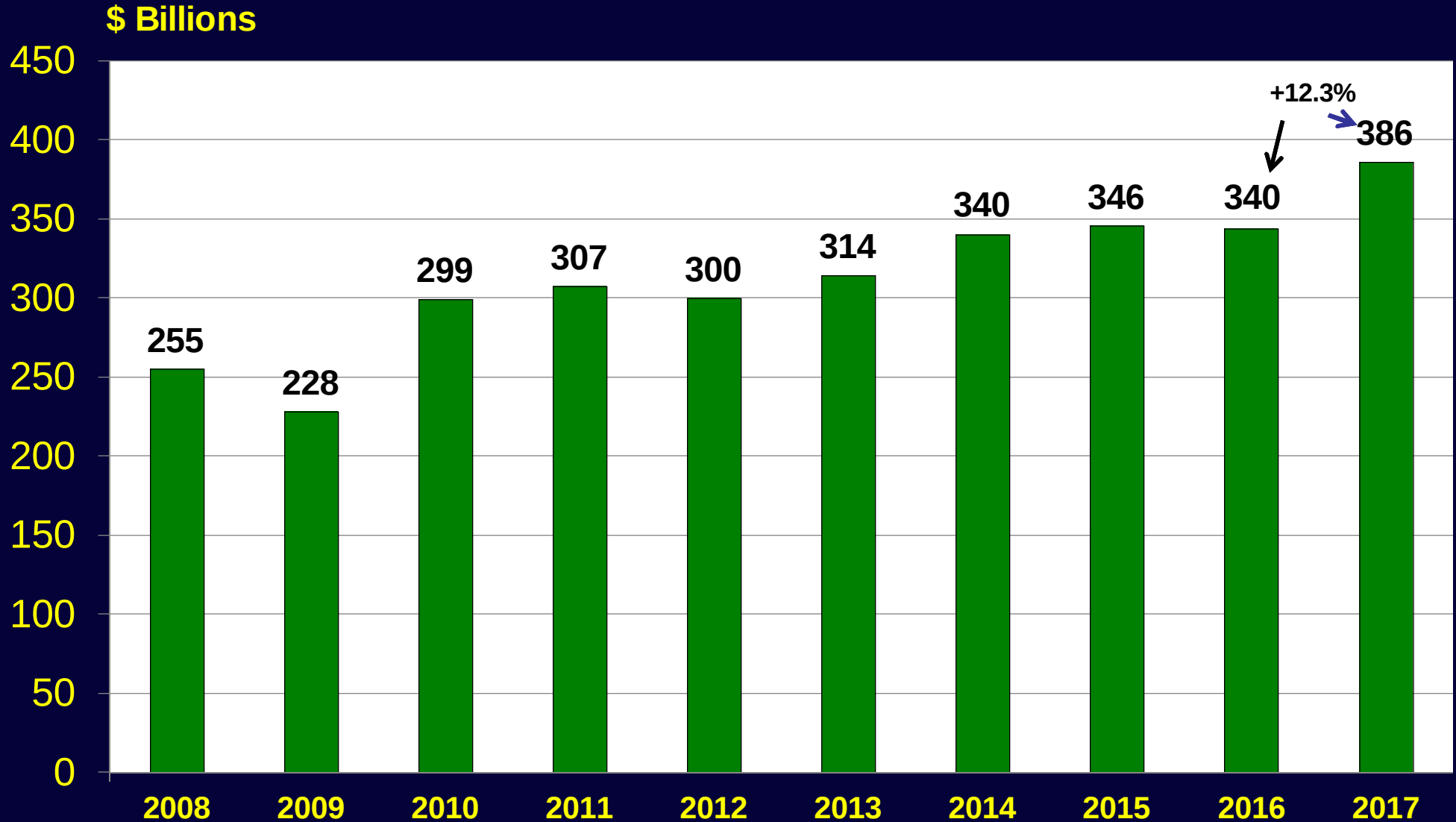


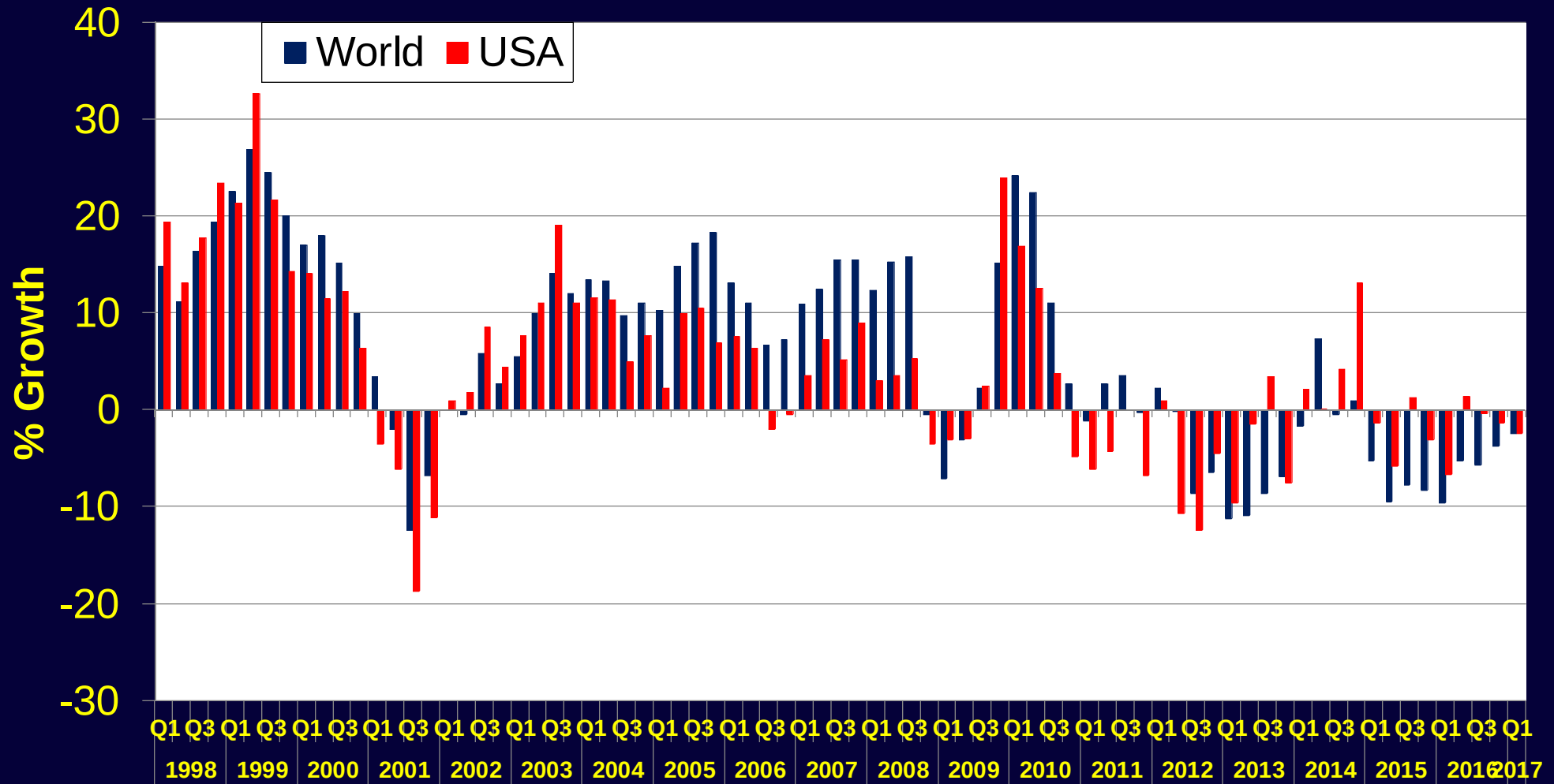
Chart 25

World Semiconductor Sales Total

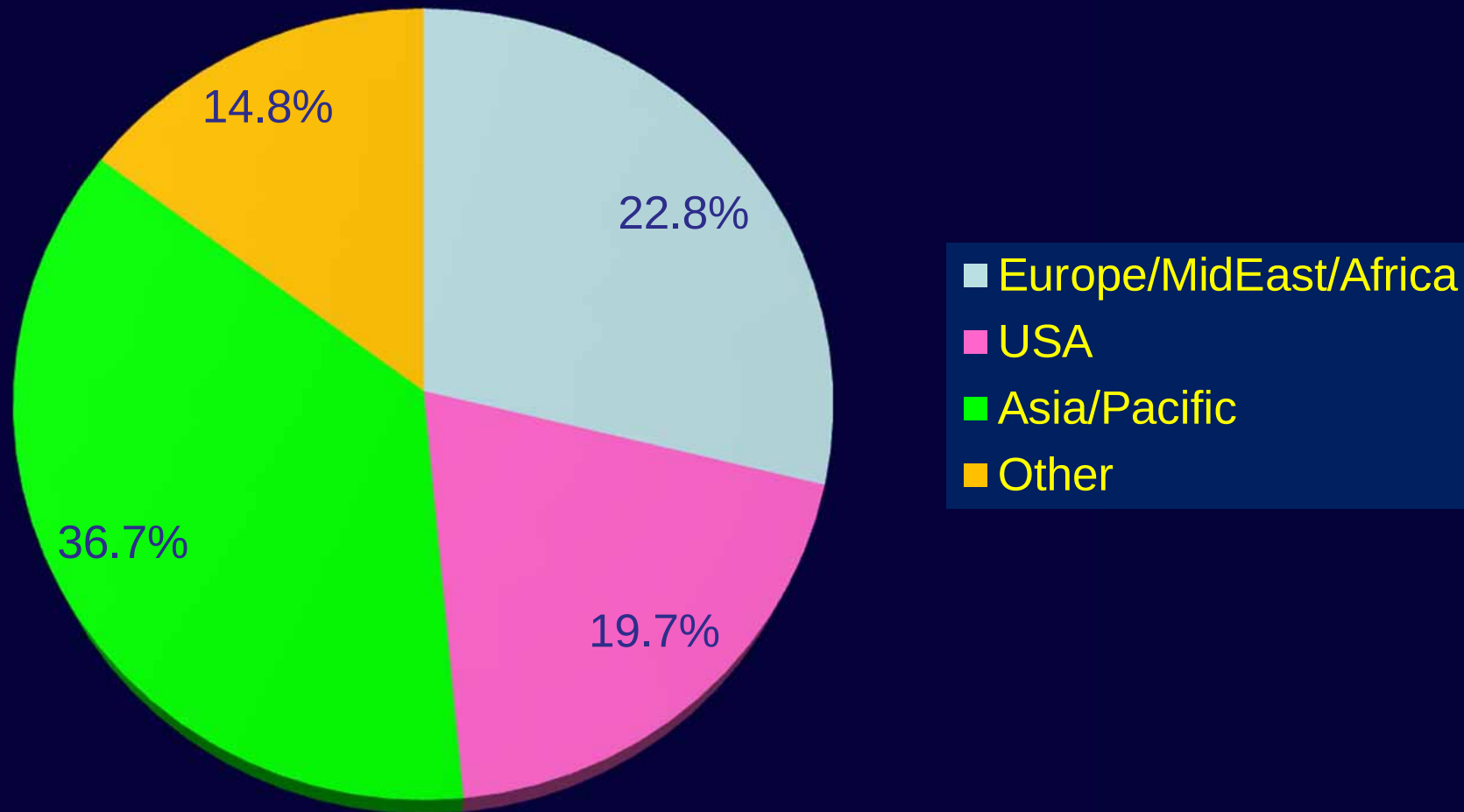


Gartner 4/17 & prior reports

Personal Computer Market Growth World & USA



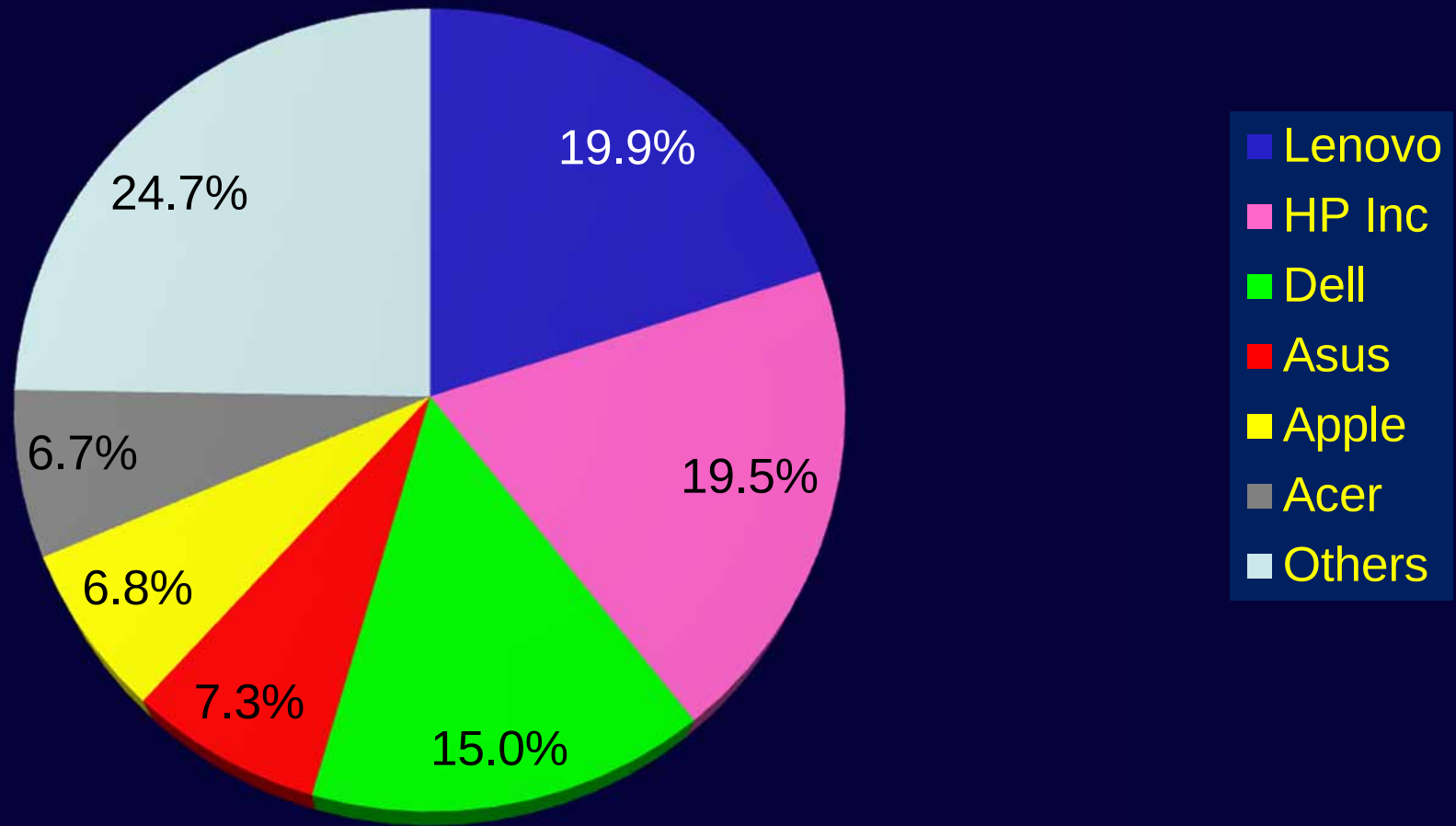
World Personal Computer Market 1Q'17



TOTAL: 62.2 Million Units

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

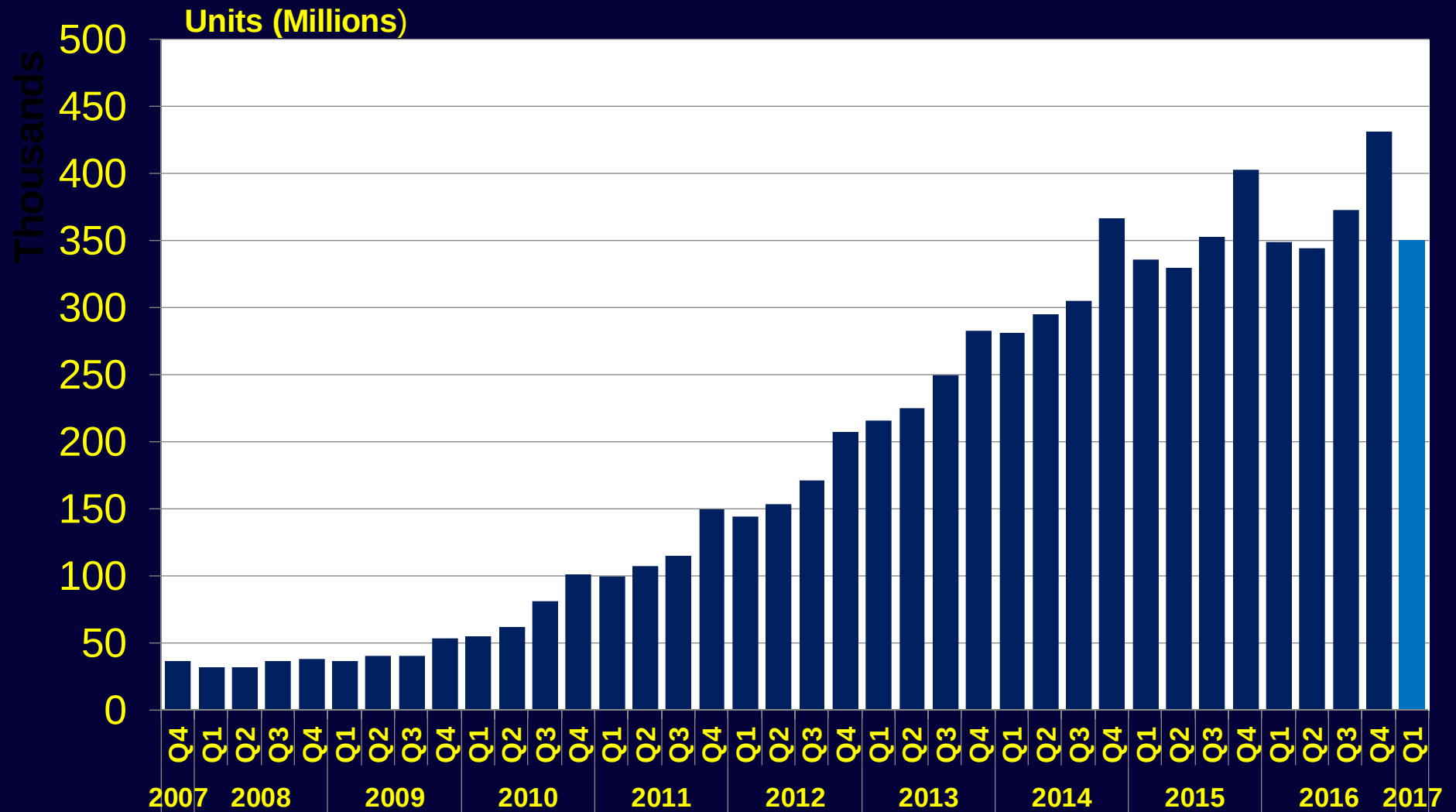
World Personal Computer Market 1Q'17



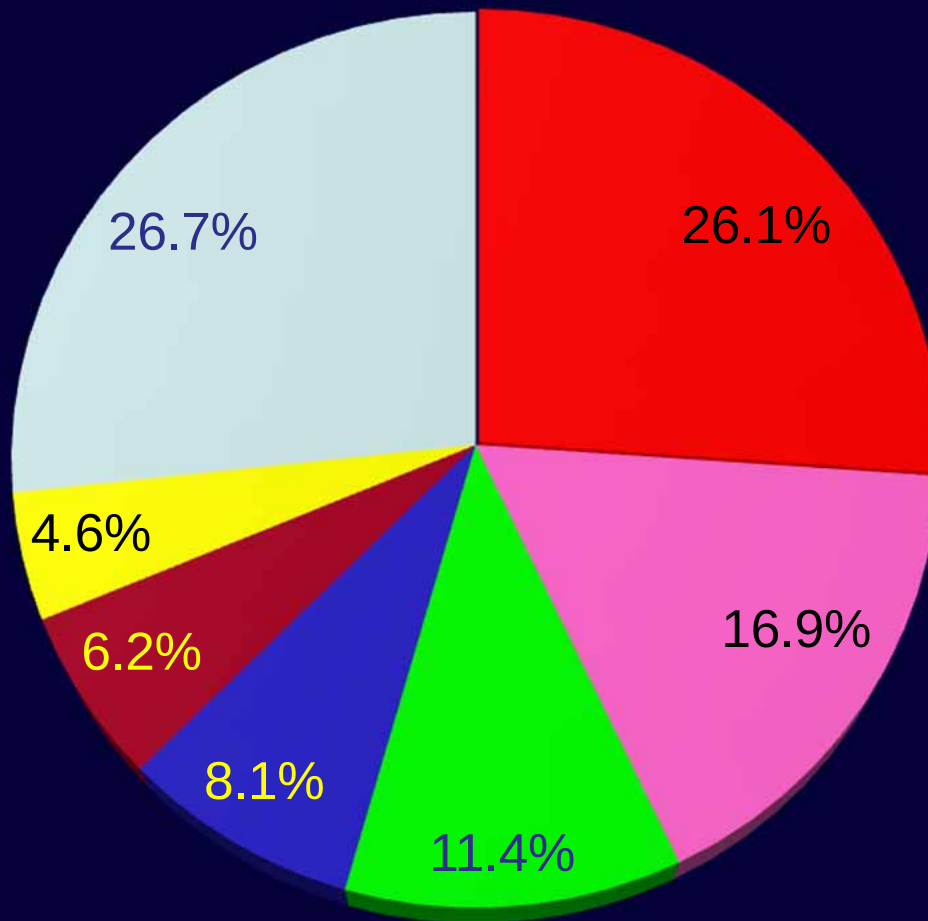
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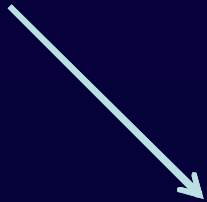
Smartphone Unit Shipments to End Users World



World Smartphone Production 1Q'17

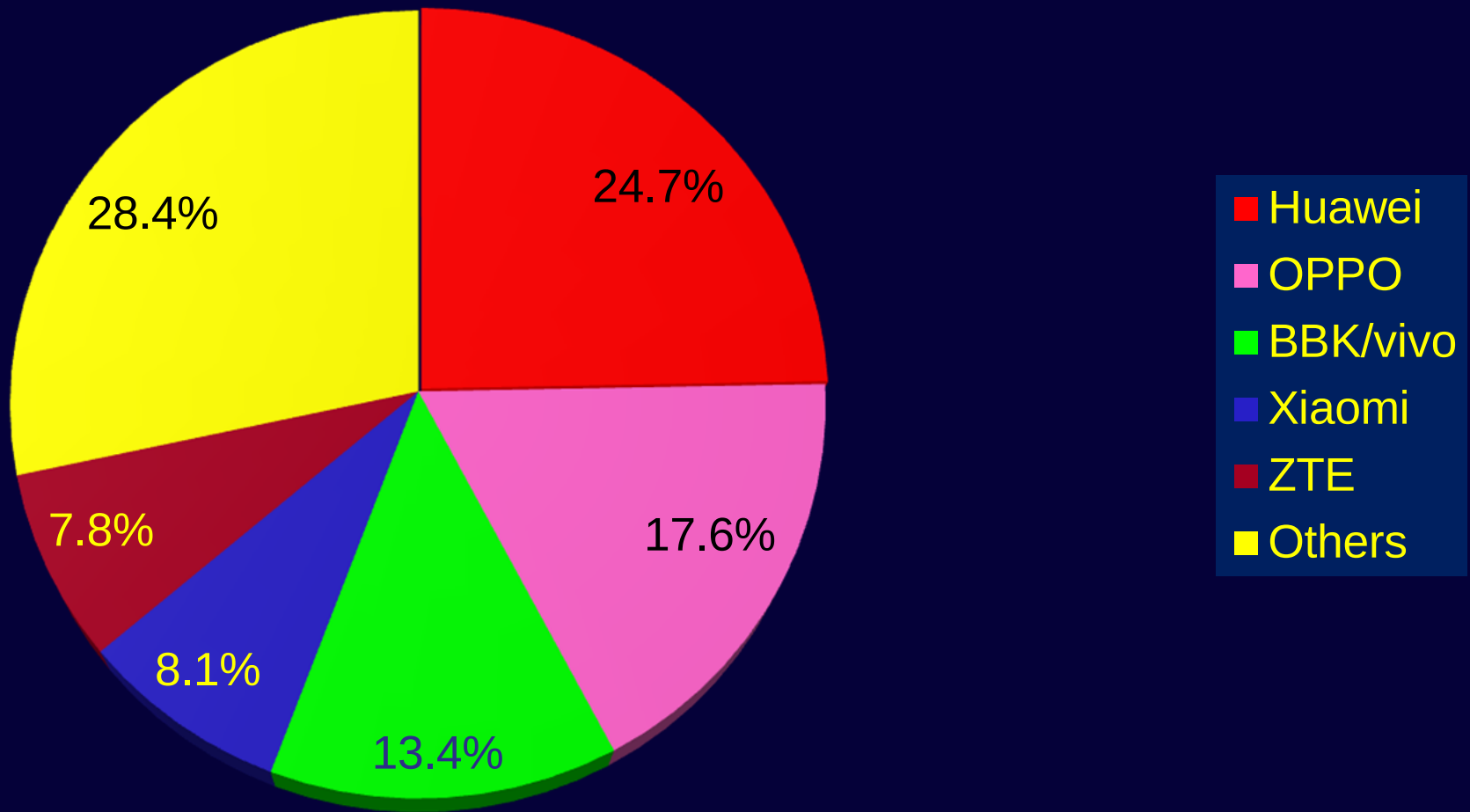


4Q'16
399.6 M

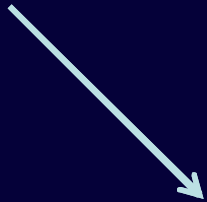


1Q'17 TOTAL: 307.0 Units

Chinese Brand Smartphone Production 1Q'17



4Q'16
190.4 M



1Q'17 TOTAL: 141.7 Units

IT Spending, World

