

## COLOR KEY

■ Blue Milestones:  
*Hexagon PPM*

■ Green Milestones:  
*Global Achievements*



1969: Having helped Apollo 8 orbit the Moon, the founders of Intergraph leave IBM to start M&S Computing in Madison, Alabama, USA

1969: Developed first interactive CAD product, IGDS (Interactive Graphics Design Software), which becomes an industry benchmark



1972: Atari founded & 2600 or Atari VCS released

1969: Unix operating system is derived from the original AT&T Unix



1969: First Concorde test flight conducted in France



REUTERS -Stephen Hird  
adobestock.com

1969: C language development begins by Dennis Ritchie

1969

1971

1972

1969: Chemical Bank installs the first ATM in the U.S. at its branch in Rockville Centre, New York

1969: M&S fulfills first contract with the U.S. Army Missile Command, design-printed circuit boards



1971: Intel releases the first programmable microprocessor

1969: The Boeing 747 "jumbo jet" is flown for the first time, taking off from the Boeing airfield at Everett, Washington, USA



1971: Ray Tomlinson sends the first email on the ARPANET (Advanced Research Projects Agency Network), the forerunner of the internet

1972: Earliest M&S Computing terminal designed to create & display graphic information



Photo © Boeing

1969: Apollo 11 astronauts Neil Armstrong & Buzz Aldrin become the first to walk on the moon



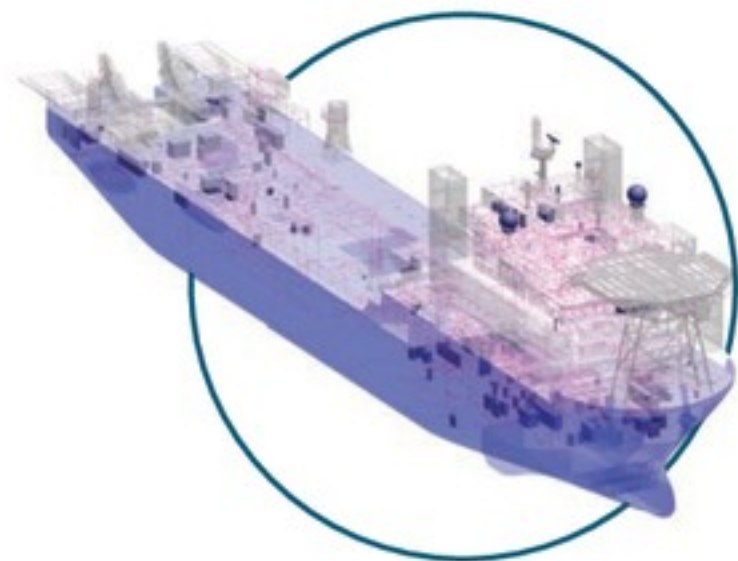
REUTERS Fred Prouser  
adobestock.com

1972: Makes first commercial sale of an M&S system to the metropolitan government of Nashville/Davidson County, Tennessee, USA



1980: M&S Computing's name is changed to Intergraph (short for Interactive Graphics) prior to an initial public offering the next year

1984: Intergraph launches the leading 3D plant design system



1984: First use of Ship Outfitting system

1986: Transitions from VAX VMS host-based software environment to a UNIX environment using networked workstations and servers



1986: PDS® debuts to become global market leader in 3D plant design; used across major plant design sectors for 3+ decades; represents a new approach to engineering design with focus on management of design data

1977

1977: Apple II starts shipping



1978

1978: The LSI-11/2 microprocessor enables Intergraph to create the first primitive Local Area Network (LAN) in CAD history

1980

1982: IBM releases its personal computer



1982

1984: Apple releases the Macintosh computer, with its groundbreaking Graphical User Interface (GUI)

1984

1985

1986: Intergraph begins developing solutions with object-oriented software technique

1986

1985: Intergraph becomes second largest CAD vendor in the world ... after IBM



1986: Becomes one of the largest employers in North Alabama at 5,100 employees

1978: First satellite in the modern NAVSTAR Global Positioning System (GPS) launches



1985: Microsoft releases first retail version of Microsoft Windows (Windows 1.0), originally a graphical extension for MS-DOS operating system

1987: Introduces the new GZ graphics accelerator

1987: Master Architect is released, a model-based design tool that uses object-oriented software development techniques



1997: Smart Marine Enterprise first used by shipyard outfitting departments



1998: Wildcat 3D graphics card exceeds 200 CDRS-03 View performance benchmark

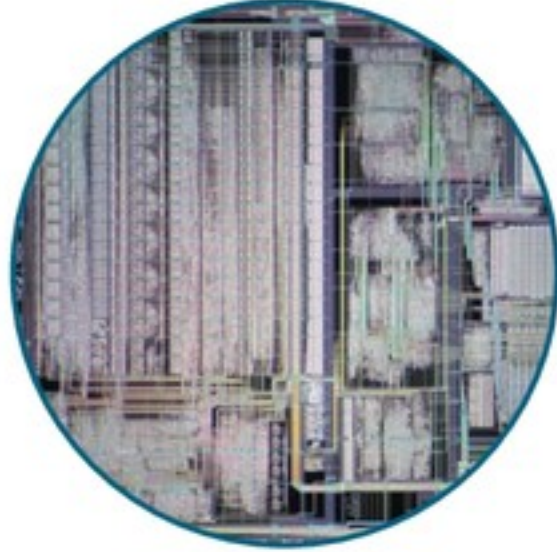
1998: Intergraph offers the first data and document management system specifically for the plant design industry

2003: Intergraph PDS & SmartPlant suite to support the engineering, design, construction & start-up of process plants

2007: First iPhone released



2006: Pebble Bed Modular Reactor Ltd. (PBMR) selects SmartPlant Enterprise for the development of South Africa's first pebble bed modular nuclear reactor



1987: Introduces a family of new workstations that still use a 5 MIPS C100 Clipper microprocessor

1995

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1998

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1995: Intergraph technology is featured in Hollywood movie "Clear and Present Danger", starring Harrison Ford



1996: Intergraph wins DARPA COMPASS program bid & IAI partnership (U.S. Navy contract)

1997: Introduces the industry's first single and dual Pentium II workstations both 266 and 300-MHz, also the first workstations to feature Macintosh compatibility



1999: Intergraph releases SmartPlant® P&ID in collaboration with industry leading customers

2003: Introduces its leading-edge, data-centric plant modeling software, SmartPlant® 3D



2001: Apple releases iTunes & iPod



2006: Odense Steel Shipyard uses Intergraph marine software to design & build the world's largest container ship

2006: Named the No. 1 worldwide overall engineering design solution provider by ARC Advisory (now 12 years in a row)

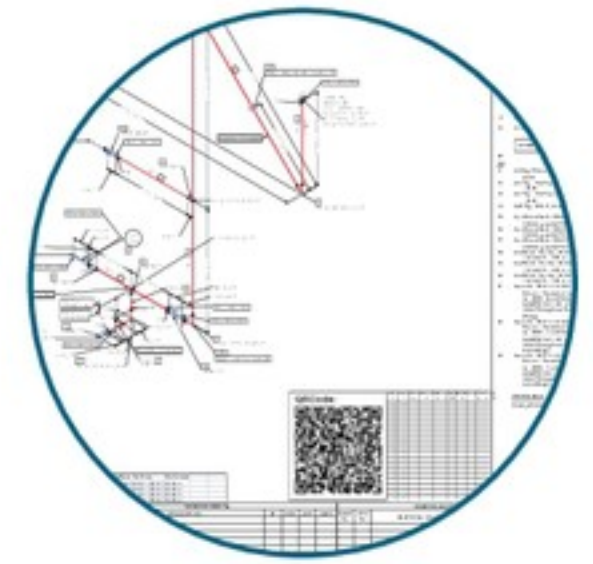
2008: Saudi Basic Industries Corp. (SABIC) standardizes on SmartPlant tools as its engineering design & data management platform for all of its manufacturing affiliates

2013: Intergraph Smart® 3D is used on Prelude FLNG, the world's largest floating liquefied natural gas platform/largest offshore facility ever constructed, as well as the largest offshore facility ever constructed

2012: Groundbreaking of new Intergraph headquarters, Madison, Alabama, USA



2017: Hexagon PPM uses QR codes used in piping isometrics drawings to retrieve fabrication & construction status



2017: Intergraph PP&M rebrands to Hexagon PPM, signifying a deeper alignment with its parent company & the drive to serve industries beyond its traditional core



2017: Inaugural use of augmented reality for 3D model collaboration with the Microsoft HoloLens and holographic data DAQRI Helment

2017: HxGN SDx® Projects, the first cloud based asset management tool released

2008

2009

2010

2012

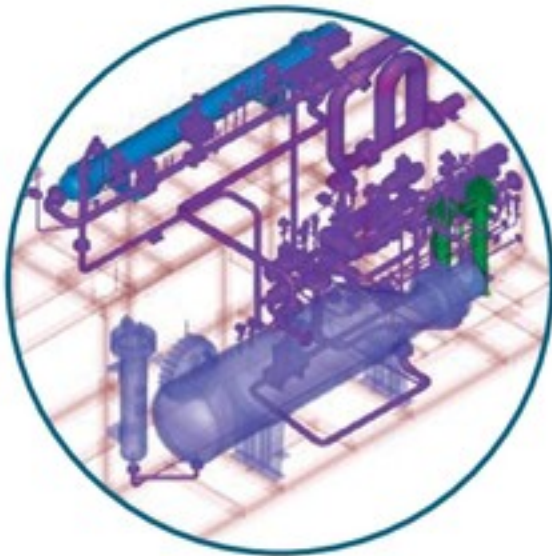
2013

2015

2017

2018

2009: The bitcoin cryptocurrency network is founded



2015: EcoSys acquisition adds projects control enterprise software to the portfolio



2018: Connected Worker Solution, inaugural "Mobile First" solution, solely focused on efficiencies for frontline workers in plants

2010: Acquires CAESAR II® to provide pipe analysis to the portfolio



2010: Hexagon acquires Intergraph; Ola Rollén becomes CEO of Intergraph

2015: Intergraph Smart® Materials Mobile Scan application introduced, enables barcode, QR code & RFID tag scanning in the construction yard



2018: Acquisition of Bricsys makes Hexagon the world's largest AEC/BIM & CAD company