### | Cleaning the Air with Industrial Filtration

### The Discovery of ePTFE

While experimenting with PTFE, Bob Gore stretches the material as rapidly as possible. Instead of breaking, as he had expected, the expanded PTFE takes on new properties: strength, porosity and enhanced versatility The watershed discovery dramatically expands Gore product offerings, opening the door to GORE-TEX® fabrics and other expanded PTFE products.



'69

Gore's industrial filter bag business begins. Gore is the first to use expanded PTFE for filtratio pioneering membrane surface filtration to capture contaminant and other particles.



Gore makes its first sale of GORE-TEX<sup>®</sup> fabric to Early Winters catalog, which advertises its GORE-TEX<sup>®</sup> rainwear as "possibly the most versatile jackets ever made!"

GORE-TEX<sup>®</sup> Fabric Launches



Outfitting the Astronauts

Gore fiber is used in space suits designed for astronauts on the Columbia, NASA's inaugural space shuttle mission.



#### '82 '83 '81

#### New Medical Applications Launch

Gore launches its first medical ePTFE patch product, the GORE-TEX<sup>®</sup> Cardiovascular Patch.



# ePTFE Improves Wire & Cable Products

New high-speed coaxial cables, the first commercialized applications of expanded PTFE in electronics, are introduced for the computer market.



# GORE-TEX<sup>®</sup> Vascular Graft

he first GORE-TEX® Vascular Graft is ommercialized, launching Gore's

#### Protecting First Responders

GORE-TEX<sup>®</sup> Barriers for firefighting turnout gear is introduced to protect first responders from excessive heat stress.

#### Which one of these coats les the best protection



'73 '74 **'75 '76** '77 '78 '79 '80

medical business.



#### Introducing ePTFE Sutures

GORE-TEX<sup>®</sup> Suture launches in the United States.



### Equipping the Hubble Telescope

The COSTAR optics apparatus is developed for the Hubble Space Telescope with 11 sets of polyester insulated ribbon cable from Gore.



#### '86 '90 '92 '85 '87 '88 '91 '93

### Protecting Soldiers

Gore receieves its first major orders for GORE-TEX® fabric for military personnel.



#### GORE-TEX<sup>®</sup> Fabrics Proven in Antartica

An international team traversing the continent of Antartica wears GORE-TEX® outerwear. One explorer credits the fabric with saving his life.





#### Future of Fuel Minimally Invasive Cell Technology Medical Technology

Gore introduces a membrane electrode assembly used in fuel cell technology.

'94

'95

Superior Performance

Autmotive vents using ePTFE offer

superior performance in exterior and

under-hood environments, allowing

components to breathe while

BREATHE A SIGH OF RELIEF

resisting water and oil.

'96

Gore introduces its first minimally-invasive endovascular prosthesis, marrying ePTFE grafts with Nitinol stents



#### '00 '98 '99 '97

# Automotive Vents for Advancing Guitar String Technology



ore introduces ELIXIR<sup>®</sup> Strings, which dramatically improve string tone life and reinvigorate the market for coated guitar strings.

# 50 Years of ePTFE: Innovation Highlights

#### Mending Broken Hearts



The GORE® HELEX Septal Occluder, used to treat congenital heart defects, is launched in Europe, Africa, Australia and South America.

#### Ensuring a Good Game at Wimbledon

Architectural fabric woven from GORE<sup>®</sup> Fiber is used in the new retractable roof over Centre Court at London's Wimbledon tennis tournament.



SHAKEDRY<sup>®</sup> for Runners and Cyclists

GORE-TEX<sup>®</sup> Active with Permanent Beading featuring SHAKEDRY® Technology is the industry's first filmout jacket designed for the running



#### '08 '10 '04 '01 '02 '03 '05 '06 '09 '12 '13

### Taking Photos in Space

Gore Microwave Cable Assemblies (GMCA) help NASA communicate with and receive pictures from the Spirit and Opportunity spacecrafts on Mars. Gore also supplied cable assemblies for the rovers' radiofrequency subsystems



#### Contributing to Mars Exploration

NASA's Mars Phoenix Lander arrives safely on Mars. GORE® Spaceflight Microwave Cable Assemblies help to transmit data required for the spacecraft to position itself for landing.



GORE™ Cable-Based Antennas are introduced to provide internet access to passengers aboard commercial airplanes.







and cycling markets.

#### Gore Medical Protects Biologics

GORE<sup>®</sup> Improject Plunger unveiled. Provides the only option for siliconefree delivery of sensitive biologicals.



GORE<sup>®</sup> High Flex Planar Cables played an important role in enabling astrophysicists in Italy and in the US to detect gravitational waves, the existence of which were theorized by Albert Einstein nearly a century ago. This work earned the scientists the Nobel Prize in Physics in 2018.

