FluoroTechnology is essential to the reliable and safe functioning of products used by consumers and industry every day. When fluorine and carbon atoms join, they form a powerful chemical bond, giving materials strength, durability, heat resistance, and stability. Here are some common applications of FluoroTechnology:

**OIL AND GAS**
Qualities: Durability and heat and chemical resistance
Examples: Oil field and pipeline operations safety equipment, fuel system seals and hoses, O-rings, and downhole/field equipment gaskets

**BUILDING/CONSTRUCTION**
Qualities: Durability, UV resistance, corrosion resistance
Examples: Infrastructure, facades, and surfaces

**ELECTRONICS**
Qualities: Insulation, durability, transparency, and water resistance
Example: Smooth and smudge-resistant touch screens

**FIRST RESPONDERS**
Qualities: Heat resistance, insulation
Examples: Safety gear and firefighting loams used to fight flammable liquid fires

**CHEMICAL/PHARMACEUTICAL MANUFACTURING**
Qualities: Heat and corrosion resistance
Examples: Chemical coatings, linings, and equipment

**ALTERNATIVE ENERGY**
Qualities: Insulation, durability, heat and chemical resistance
Examples: Lithium batteries, fuel cells, and solar panels

**SEMICONDUCTORS**
Qualities: Durability and heat and chemical resistance
Examples: Micro-electronics, plasma machinery, etching materials, cleaning fluids, and wetting surfactants for chemical etchants

**OUTDOOR APPAREL/Equipment**
Qualities: Durability and resistance against water, oil and stains
Examples: Breathable outdoor garments and safety gear

**AEROSPACE/DEFENSE**
Qualities: Chemical resistance, weather resistance, and insulation
Example: Fluid seals, hydraulic fluids used in aircraft control systems, and aircraft communications and navigation systems

**AUTOMOTIVE**
Qualities: Durability, heat and chemical resistance, and oil, soil, and water repellence
Examples: Vapor barriers, engine compartment wirings and gauges, and automobile carpets and seats

**HEALTHCARE**
Qualities: Insulation, durability, heat and chemical resistance, and disease transmission prevention
Examples: Defibrillators, pacemakers, MRI imaging devices, medical garments, and drapes

**MILITARY**
Qualities: Durability and heat and chemical resistance
Examples: Safety equipment in extreme environments and against chemical warfare agents