

# SCORPYD™ CROSSBOW

INTEGRATED RAIL AND RISER

## AVIENT SOLUTION

Complēt™ Long Carbon Fiber ETPU  
Composite

## WHY AVIENT?

- Achieved a 40% weight reduction to improve handling and firing ease
- Provided structural design services to create industry-first integrated rail and riser assembly
- Conducted FEA performance analysis to confirm long carbon fiber reinforced composite met extreme requirements

## LEARN MORE



## KEY REQUIREMENTS

- Reduce weight by replacing aluminum
- Integrate bolt rail and riser for supporting limbs into unified assembly