

NewSoTech

New Solutions Technology

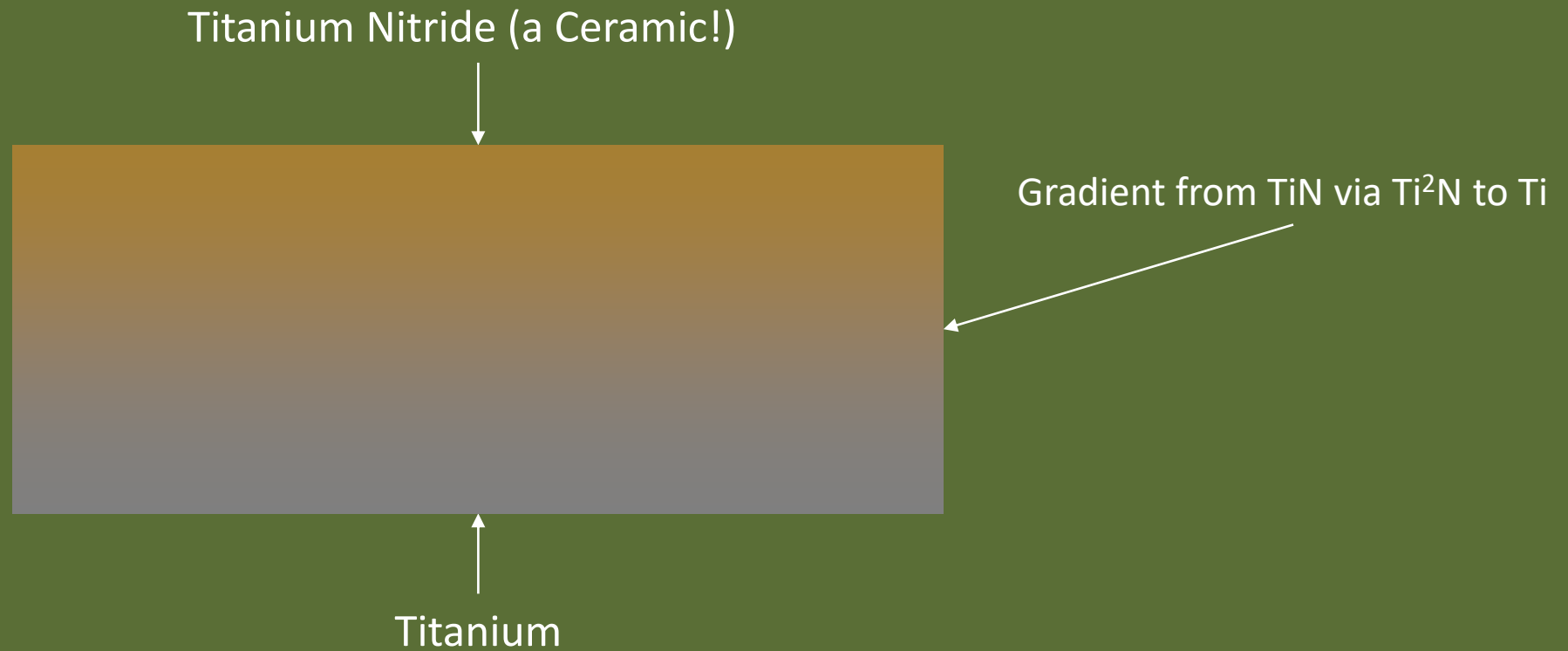


25 years of world class innovation in materials

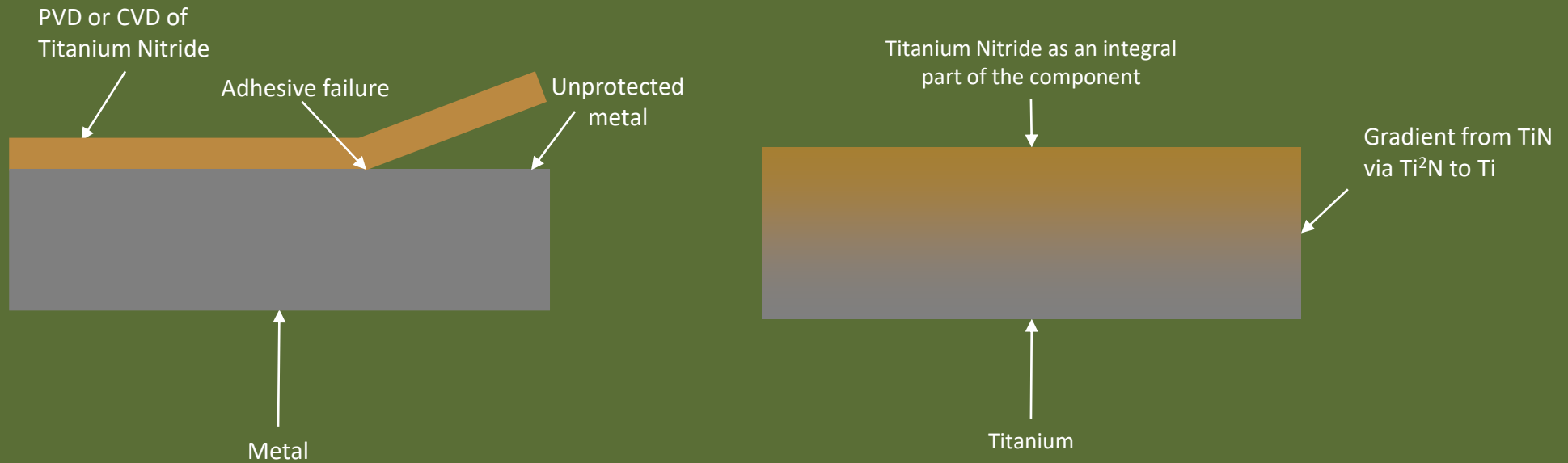
TiSurf®

TiSurf®

TiSurf® - a ceramic as an integral part of titanium



The difference between traditional application of Titanium Nitride and TiSurf®



TiSurf® – Features

- Surface 3x harder than hard chrome
 - 2900 - 3100 HV
- Excellent tribology properties
 - Extremely low friction
 - can be design according to requirements
 - can be operated without lubricant
 - High wear resistance
- Exceptional corrosion resistance
- Heat resistant
 - 400 - 750°C (750 - 1380°F)
- Non magnetic
- Biocompatible

TiSurf® – Advantages

- Ultra-low friction
 - Lower energy consumption
 - Less lubrication
 - Low-noise
- Hard surface
 - Resistance to abrasive wear and fretting
- Extended life-cycle
 - Improved sustainability
 - High corrosion resistance
- Reduced maintenance
- **Will NOT peel off!**

TiSurf® - Experience in operation

Space - NASA, ESA satellites

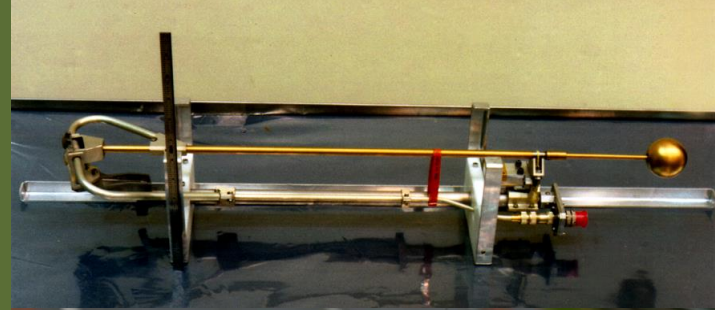
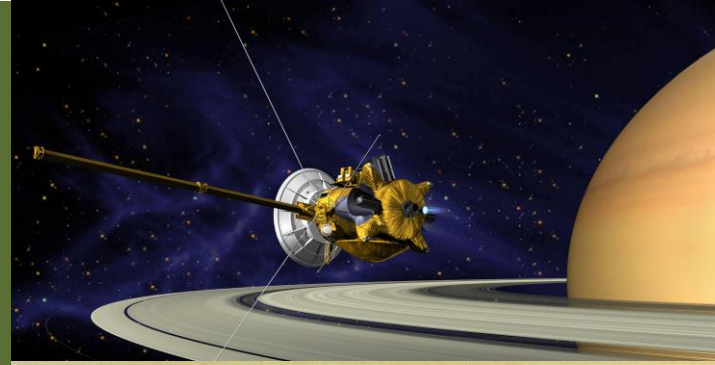
- Protection against wear from space dust

Racing - speedway, F1, LeMans, NASCAR

- Reduced friction, top performance

Offshore industry

- Prevention of corrosion on submerged piston rods and nozzles



Thanks for your attention!

Questions?