The Most Durable Touch Solutions

water, liquids, gloves
extreme temperatures,
rugged environments,
high aesthetics

No Problem
Quick Overview:

--> These are all durable goods OEMs
--> Not traditional consumer electronics
--> Desire for pcap over resistive
--> Challenging use cases
--> Limited pcap touch expertise
--> Looking for a turnkey solution
Kitchen & Bath:
Major Appliances, Ovens, Laundry, Refrigeration, Food Service, Shower Controls

Challenges:
High and Low Temperatures, Liquids, Steam, Clean-ability
Top 3 Global Restaurant Chain

Overview:
--> designed in 2008 / launched in 2009
--> top worldwide brand
--> extreme durability
--> had to work when wet & through gloves
--> exposure to harsh cleaners
--> needs to beat the competitor

Result:
--> OEM went from 20% to 80% market share
--> one of the most successful launches ever!
Medical:
Patient Care, Diagnostics, Surgical, EMT, Hospital, Portable

Challenges:
Saline / Blood Exposure, Thick Glass Durability, Medical Gloves, Caustic Cleansers, Water
Agriculture/Off-Road:

- Tractors, Combines,
- Farm Equipment, ATV's

**Challenges:**
- Outdoor Elements,
- Rugged Environment, Water, Gloves,
- Long Life Cycle, LCD Bonding
Energy/Mining OEM:

Overview:
--> [first] pcap in mission-critical oil rig
--> Fortune 500 OEM
--> significant failures in the field - membrane
--> extreme durability
--> wide temperature ranges (-40 to 85C)
--> Had to work through winter gloves- gloveSENSE® in action

Result:
--> OEM field-tested for 2 years
--> Successful rollout in 2011
**Marine:**
Sonar, Fish-Finders, Chart Plotters

**Challenges:**
Saltwater,
Sonar Frequency Interference,
Rain, Storms, Sunlight Readability,
Fish Guts!
Multiple Top 10 Marine Companies:

--> Touch in fresh/saltwater - waterSENSE® in action
--> Qualification in marine environment (frequencies, etc.)
Key Elements for Success

Holistic Approach
- “Science of Sensing”
- Strategic Partnerships
- Relevant IP / Offering

Software Expertise
- UICO Controller (Sensing)
- Drivers (Interface)
- RAD (Dev Tools)

Production
- Manufacturing Know-How
- US Manufacturing
- Asia Manufacturing
**Built to Last.**
We combined unique substrates with our waterSENSe® and gloveSENSe® technologies to survive the test of time in harsh and extreme environments.

- High-resolution touch interface, plus gestures
- Thick glass for durable substrates
- Solid state sensing
- Scratch resistant & easy to clean
- Custom solutions available

**Custom Options:**
- Size
- Sensing Area
- Thickness
- Shape and Color
- 1-point / 2-point Touch Tuning
- Add features: waterSENSe® / gloveSENSe®
- Custom integration: Cover lens / LCD / Bezel / Optical Bonding

**Touch without Boundaries.**
Our flexible, touch-sensing surface conforms to complex surface geometry. Combined with our waterSENSe® and gloveSENSe® technologies the possibilities are simply endless.

- Enhances Safety
- Saves Lives
- Improves Performance
- Increases Productivity
- High-resolution controlling
- Wraps and conforms to curved surfaces
- Solid state sensing
- Unmatched efficiency, control and safety
- Custom solutions available

**Custom Options:**
- Size
- Sensing Area
- Thickness
- Shape
- 1-point / Multi-Touch Touch Tuning
- Add features: waterSENSe® / gloveSENSe®
- Custom integration into your product
Thanks!
Ryan Humphreys
rhumphreys@uico.com
630-297-1879
Booth 326