

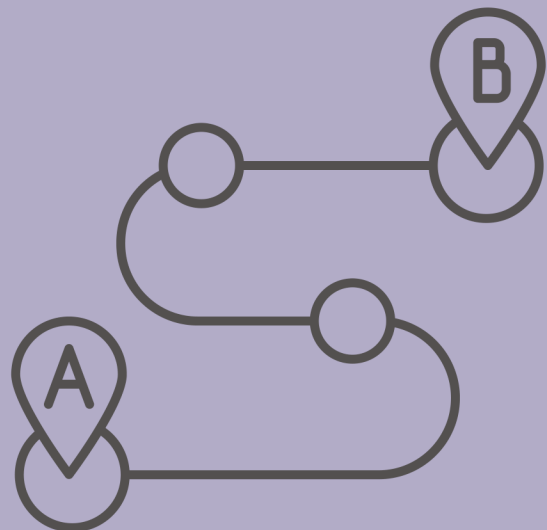
# CRYSTAL DISPLAY SYSTEMS LTD

High reliability HIREL solutions



CDS  
Crystal Display Systems Ltd

LONGEVITY



RUGGEDISATION



CUSTOMISATION







# LONGEVITY of supply

## High reliability HIREL solutions

Every time a component changes or goes end of life (EOL) there will need to be a design change which often involves a re-development, re-approval and re-certification process.

Generally the higher the reliability of the end application, there needs to be a higher level of quality control. This additional control involves a high level of time, effort and cost.

In the worst of situations, a product may need to have a complete redesign. The CDS strategy is to avoid this and minimise this by offering solutions & products with a min 10 year + continuity of supply and we have a track record to prove this. this dramatically reduces the cost to the client adding peace of mind

These solutions are not deemed as 'distribution' parts and each project is managed with NDA's in place and treated with full and open disclosure between the relevant parties.

Typical market sectors that fall into this area are medical, military aerospace, aviation, control panels and instrumentation.





# RUGGEDISATION

## High reliability HIREL solutions

In the most harsh environments, any system is only as strong as its weakest element.

At CDS we always use the highest quality industrial grade components as both our clients and CDS's reputation is based on the quality of products we supply.

It is critical that our solutions are designed for the end environment and these solutions will continue to perform to the same excellent consistency over the life of the product.

Many companies offer components as part numbers whilst CDS have engineers to support through the whole design, development and through the complete product lifecycle. A start to finish solution supply.





# CUSTOMISATION

## High reliability HIREL solutions

**CDS offers a wide variety of display products and value added services into many industries. 90% of HIREL applications have some level of customisation ~ Some of these services include**

- Projected Capacitive(PCAP) touch solutions
- Glass-Glass type true Industrial Grade
- FPC or COF type
- Standard cover lens up to vandal-proof
- Extremely rugged AG/AR coating
- Anti-UV imprint masking
- Salt water protection for special marine application
- Thick gloves for special industry and military
- Surgical gloves for medical application
- Reworkable Optical Bonding
- Wet optical bond/non-UV silicone base recipe for marine and military applications where required
- Dry optical bonding/also reworkable
- Standard Small to Large size industrial grade TFT LCD modules
  - True Industrial Grade
  - Wide Temperature Range -30 ~ +80°C
  - Long Backlight Life Time 50K hrs, low power
  - Low Power, high efficiency
  - Standard Digital and Analog Interface
- Custom Designed LCD modules
  - Ultra Wide Temperature Range -45 ~ +80°C
  - Ultra Long Backlight Life Time 100K+ hrs
  - Drop-in Replacement to Competitor's End-of-Life Displays (Form, Fit and Function)
- CPU Embedded Systems with RF modules

# Visit Crystal Display Systems “Display Corner”

**What is Display Corner?** During the Covid 19 period, initially no-one knew what was going to happen. However, as the time progressed it was clear that business had to continue.

The biggest change was the sensible working-from-home / social distancing strategy. At this point CDS started their Display Corner on YouTube.

The CDS Display Corner allowed new products to be shown to potential clients without a face to face meeting.

These demonstrations are as natural as possible. Although there is a small amount of editing to help the experience, the products are not enhanced, we don't use actors and the client will be seeing the actual real product, nothing superimposed and no AI. The aim is to where possible have a single shoot.

They may not be as slick as other product videos, but the intent is for the clients to have a true understanding and representation of the product as if it was a face to face meeting.

## HI-REL PPC



## Outdoor screens



## Bespoke marine monitor



Need any additional information?

Our team is always available to help you with pricing details, technical support, or any additional information you may need. Please don't hesitate to reach out.



**CONTACT US:**

Crystal Display Systems Ltd  
Unit 6 M2M Park, Fort Bridgewood  
Maidstone Road, Rochester,  
Kent. ME1 3DQ

T : +44(0) 1634 791600

E : [info@crystal-display.com](mailto:info@crystal-display.com)

W : [crystal-display.com](http://crystal-display.com)

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