



# A lasting vision

Quality, Service, Sustainability

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**SHARP / NEC**

# A lasting vision

## Quality, Service, Sustainability

It is through high quality product design and manufacture that we drive innovation in Reuse, Repair and Recycle initiatives, whilst Reducing energy consumption and waste.

Manufactured using the highest quality components and Japanese engineering standards, Sharp/NEC products and solutions are trusted for long-lasting reliability. This commitment to quality underpins our sustainable management where, through repair and refurbishment, we extend the long lifecycle of our products, deferring replacement, and therefore waste, over a longer time frame.



This practical approach to sustainability has been commended with a Green Signage Award.

*“Sharp/NEC is by far the most sustainable visual solutions provider in the industry.”*

**Florian Rotberg**

Managing Director, Invidis Consulting.



# Reduce Energy Use

Recognising that more than 80% of the CO<sub>2</sub> footprint of a display is created during usage, improving energy efficiency is the greatest opportunity to reduce the environmental impact.

### Useful tools

NEC NaviSet Administrator 2 software automates switch-on and switch-off times, minimising unnecessary power usage when devices are not in use.

NaviSet can be used to monitor and report on usage and power saving functions across all connected devices helping organisations to quantify their carbon footprint.

Our savings calculator enables users to compare energy consumption across our products.

Our desktop monitors, large format displays and projectors all feature ECO Modes, designed to minimise energy consumption during operation.

Intelligent Power Management features and Auto-standby Mode ensure a device is only switched on when a source is connected.

Inbuilt scheduling functionality avoids unnecessary operating time by automatically powering down at a pre-set time.

Our Human Presence sensor powers up a display only when someone is nearby, saving over 30% CO<sub>2</sub> consumption.

Innovation in product design can generate significant energy savings. The latest P Series projectors consume less power than previous models and the new FC COB LED Series achieves a 40% reduction in power usage compared to SMD LED technology.

Brightness sensors adapt the display brightness to the ambient light conditions, optimising brightness levels and minimising power usage.

Sharp/NEC displays are preset to energy saving modes at the factory, extending the life of the display and ensuring energy savings for the user who rarely adjusts the factory settings.



# Reduce Waste

Without compromising our high standards of customer service and the protection of products during shipment, we are constantly innovating to minimise wastage across all our operations.

Sharp/NEC is working on a concept whereby products are initially shipped from the factory in collective packaging, then transferred to the warehouse individually, therefore reducing shipping materials where possible.

Embedded computing devices use power more efficiently and don't require additional mounting systems, cabling or power supplies which could ultimately become waste.

Our modular display design means there is no redundant embedded hardware. The user configures the display selecting the appropriate slot-in device, only if it is needed.

IP-based Hiperwall videowall control software means control room operators are not subject to the cost and hardware wastage associated with AV-based proprietary systems.



## 35% Saving

By optimising packaging sizes to use less material we have reduced freight costs, which can save up to 35% in CO<sub>2</sub> emissions.

New projector ranges are designed to utilise the same lenses and mounting infrastructure of legacy ranges helping to reduce waste when upgrading performance levels.

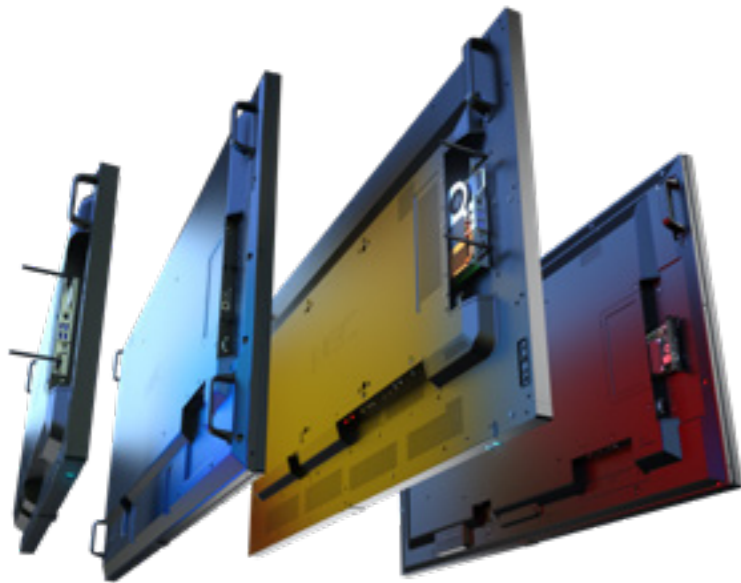
During large rollouts, products can be shipped without unnecessary power cables or stands, as required.



# Reuse and Repair

Our focus is on producing products, solutions, and services that last, providing fit-for-purpose performance over an extended lifecycle.

Our commitment to quality is demonstrated by our consistently low failure rate, one of the best in the industry. Should a repair be necessary, we offer comprehensive pan-European and Global service programs.



## Global Service

The Sharp/NEC Global Customer Program enables our service partners to repair or replace faulty displays locally, not shipped to a centralised repair centre ensuring short transport routes. This far exceeds the industry standard.

Sharp/NEC's innovative open modular design allows computing power to be upgraded, signage isn't disposed of, but repurposed or reconfigured, extending the life of the display.

Sharp/NEC's IP-based Hiperwall videowall control software supports diverse system integration workflows which can be endlessly adapted as requirements change in the future.

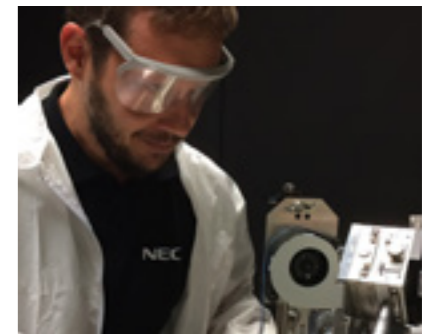
The long-life reliability of Sharp/NEC's products, often beyond standard refresh cycles, means displays can be repurposed elsewhere to continue to give excellent performance.

dvLED is highly serviceable with components that can be repaired and replaced. Sharp/NEC offers a comprehensive, tailored dvLED service program to support its extraordinarily long lifetime of over 10 years.

We stock spare parts beyond the legal requirement to support our repair programs. Cinema projector components are in stock for 10 years and longer. For our LED technologies, we stock spare parts according to customer need and the service life of each product.

Our Prism Refurbishment Program extends the peak performance of cinema projection to maximise the lifecycle and provide greater value to cinema operators.

We support the refurbishment of our Solid State Light Source projectors locally, avoiding wastage and long transport routes.





## Recycle

Even at the design stage we are already thinking about the end of the lifecycle by utilising materials which are recyclable or are already recycled.

Metal, the major component in our LCD and dvLED products, is almost infinitely recyclable, contributing to the circular economy.

NEC Large Format Displays are 97.4% recyclable, which is remarkable in our industry.

Our optimally sized packaging is 100% recyclable.



## Exceeding Legal Compliance

Sharp/NEC does not simply respond to environmental requirements, we are active in the formulation and implementation of EU environmental policies. We are members of EICTA (the European ICT industry umbrella organisation) and the Japanese Business Council Europe, whereby our activities go beyond minimum legal guidelines for sustainable practices.

We are engaged in developing sustainable products, helping to define and confidently comply with the latest independent standards from agencies such as ISO (International Organisation for Standardisation), TCO (Swedish Trades Union), EPA Energy Star, as well as EU Commission Environmental Directives and local laws.

In the production of our products, Sharp/NEC complies with strict manufacturing standards including ISO14001 and exceeds compliance by following the most stringent Japanese quality control standards.

We are a member of the Responsible Business Alliance (RBA), the world's largest industry coalition dedicated to corporate social responsibility in global supply chains.



## Sharp ECO vision

The recent joint venture between NEC and Sharp transfers the Sharp/NEC business under the umbrella of the Sharp Corporation, strengthening our drive forward with a clear vision for the future. The Sharp Eco Vision 2050 aims to achieve net zero CO<sub>2</sub> emissions from its business activities by 2050 with interim reduction targets of 40% by 2030 and 60% by 2035.

*"As a signatory to the United Nations Global Compact since 2009, Sharp continues to support the 10 Principles in the areas of human rights, labor, the environment, and anti-corruption. We also share the vision and mission of the RBA, which we joined in 2021, throughout the entire Sharp Group. In this way, we will accelerate our efforts to effectively resolve global social issues."*

**Robert Wu**

President and CEO, October 2022

40%  
reduction  
by 2030

60%  
reduction  
by 2035

NET  
ZERO  
by 2050

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