CASE STUDY

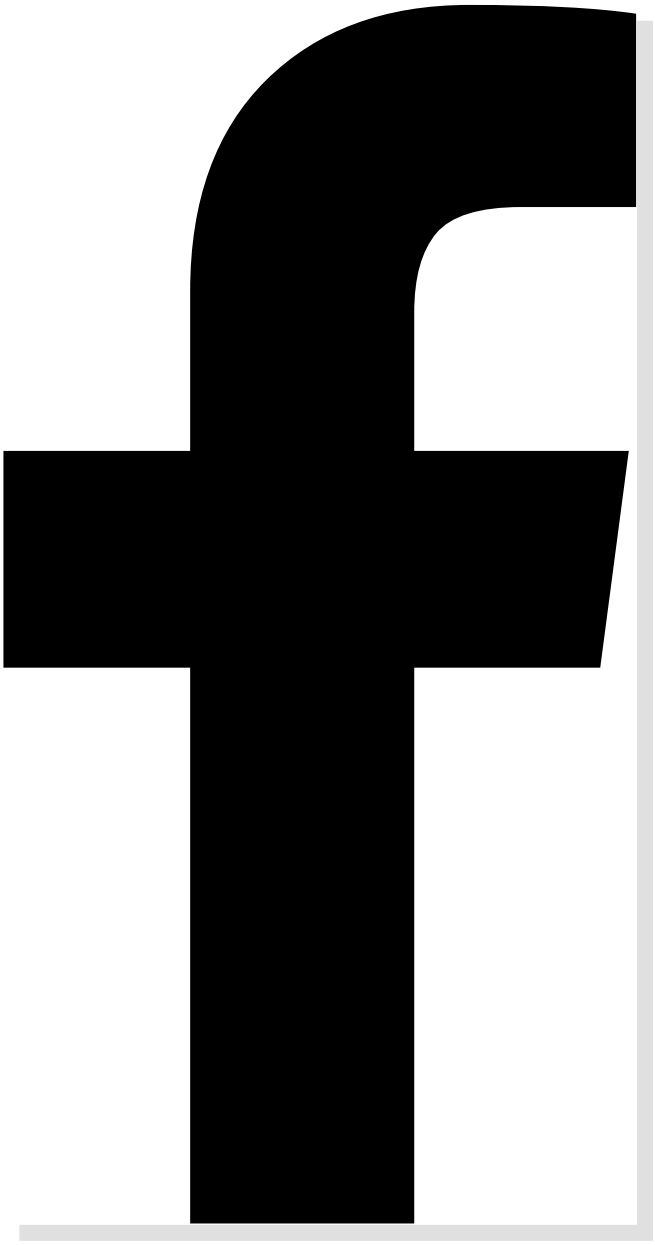
Scottish National Blood Transfusion Service

Dextra GROUP PLC

MADE IN BRITAIN®

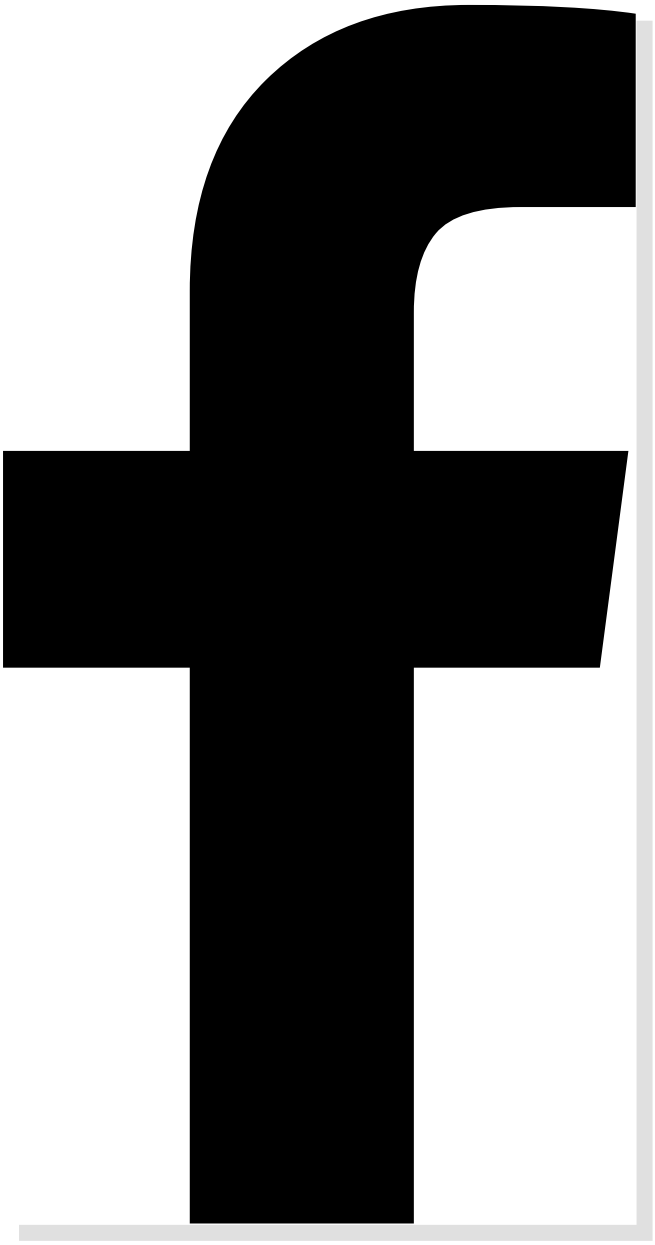
The Scottish National Blood Transfusion Service (SNBTS) plays a critical role in supporting NHS Scotland by supplying blood, tissues, and cells to patients across the country—24 hours a day, every day of the year. Based in Edinburgh, SNBTS delivers specialist diagnostic and treatment services along with providing essential training and support for NHS colleagues nationwide.

As part of an important lighting upgrade, SNBTS partnered with MITIE Lighting and Dextra Group, who were selected to deliver a lighting solution that aligned with SNBTS's strong commitment to sustainability, operational reliability and minimal disruption to clinical services.

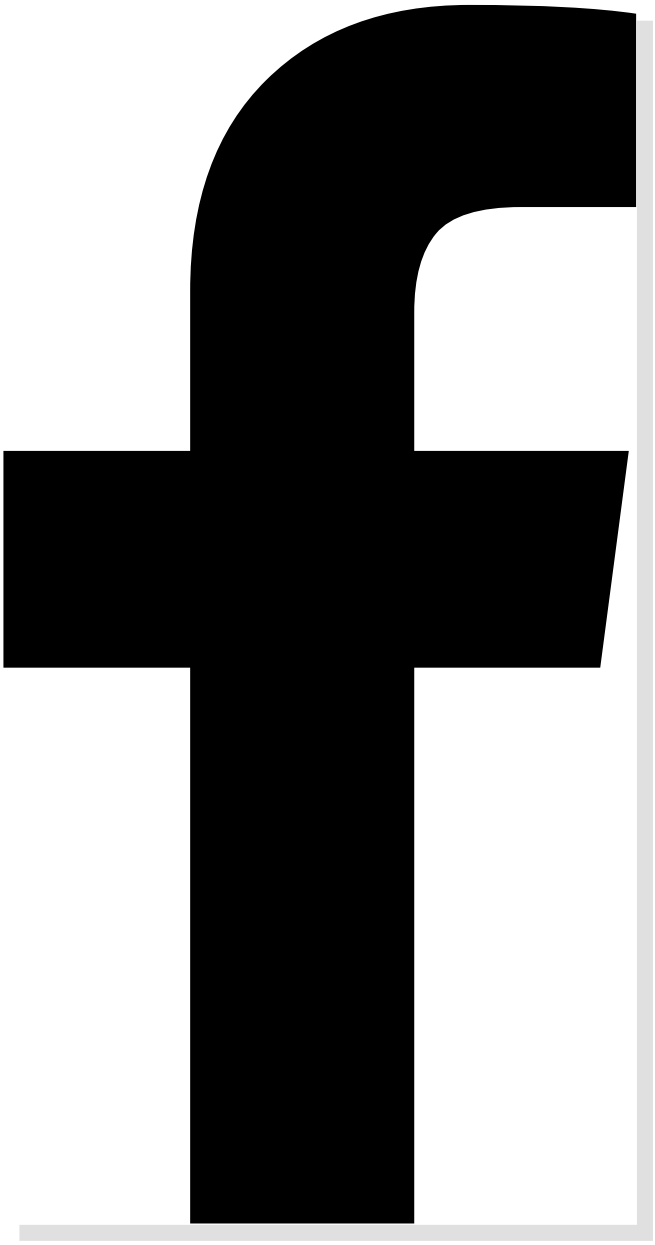


Key to this project was the adoption of a TM66 circular economy approach for all clinical areas. Dextra designed bespoke gear trays to retrofit into the existing luminaire housings, dramatically reducing waste by reusing the outer casing and limiting replacement to only internal components.

The new gear trays featured long-life L90/60,000-hour LEDs, 100,000-hour drivers and are backed by Dextra's standard five-year warranty. Crucially, all work was carried out within the ceiling void to maintain the sealed clean room environment, avoiding contamination and ensuring clinical operations remained uninterrupted.

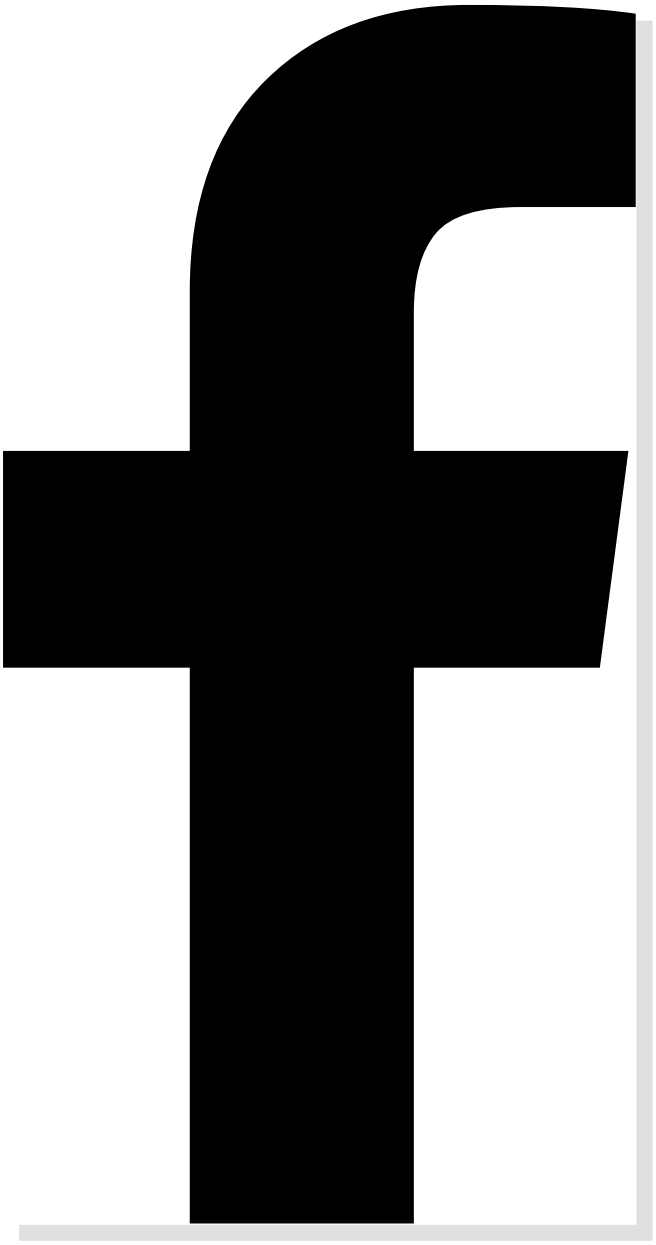


All lamp and luminaire recycling was managed by Dexreco Ltd, a registered AATF and part of the Dextra Group. Dexreco's nationwide logistics network offered swift and compliant disposal of all end-of-life light fittings, further reinforcing the project's environmental credentials. We recycled a total of 649 luminaires for this project for the areas where the retrofit solution wasn't suitable. Using the Group's own liveried fleet of vehicles, complete with Manitous for self loading, Dexreco collected the old products from site at the client's convenience. Collections were made by Dextra Group vehicles on a "back load" meaning that instead of a vehicle returning empty after making a delivery, it will stop off and make a collection. This effectively halves the amount of carbon pollution caused by the transportation of the end of life luminaires.



Over 95% of collected products are recycled or reused, ensuring that harmful chemicals such as mercury are disposed of properly. Not only does this reduce landfill disposal, but also reduces the energy required to produce future materials.

With inefficient fluorescent lighting now being phased out, upgrading to an LED solution was essential to maintain reliability, improve efficiency and guarantee reliable light levels needed in such a critical facility. This sustainable and low-impact solution has provided SNBTS and MITIE with a future-proof system requiring significantly less maintenance—supporting the vital, life-saving work that takes place at the site.



Find out more about our retrofit solutions here: Retrofit Solutions – Dextra Group

The new lighting system has achieved significant energy savings:

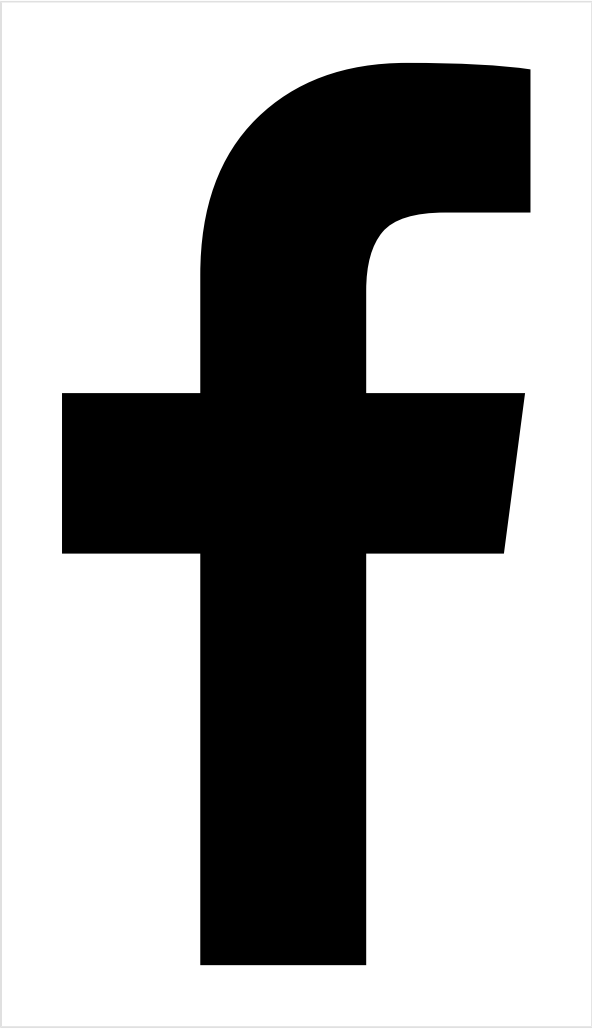
Existing lighting total circuit power – 87.3Kw
New lighting total circuit power – 35.7Kw
Total Energy Reduction – 59.11%

THE PRODUCTS

SIREN

An injection moulded IP65 luminaire made from polycarbonate housing and diffuser offering excellent protection against light impact.

EXPLORE PRODUCT RANGE



IMPR

The Impervia is a robust IP65 LED luminaire for use in applications where the luminaire must be protected from ingress of dirt, dust and water.

EXPLORE PRODUCT RANGE

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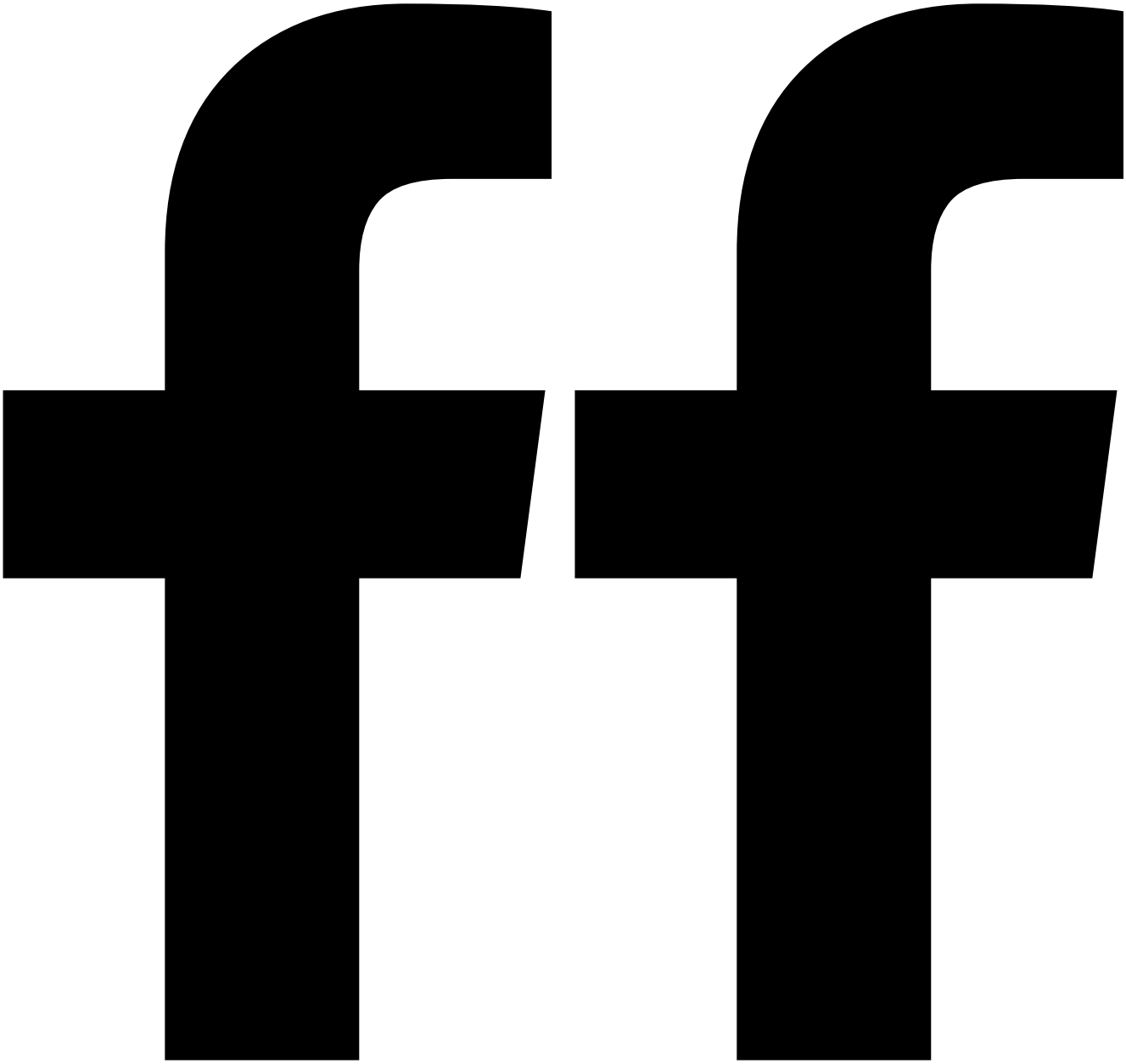
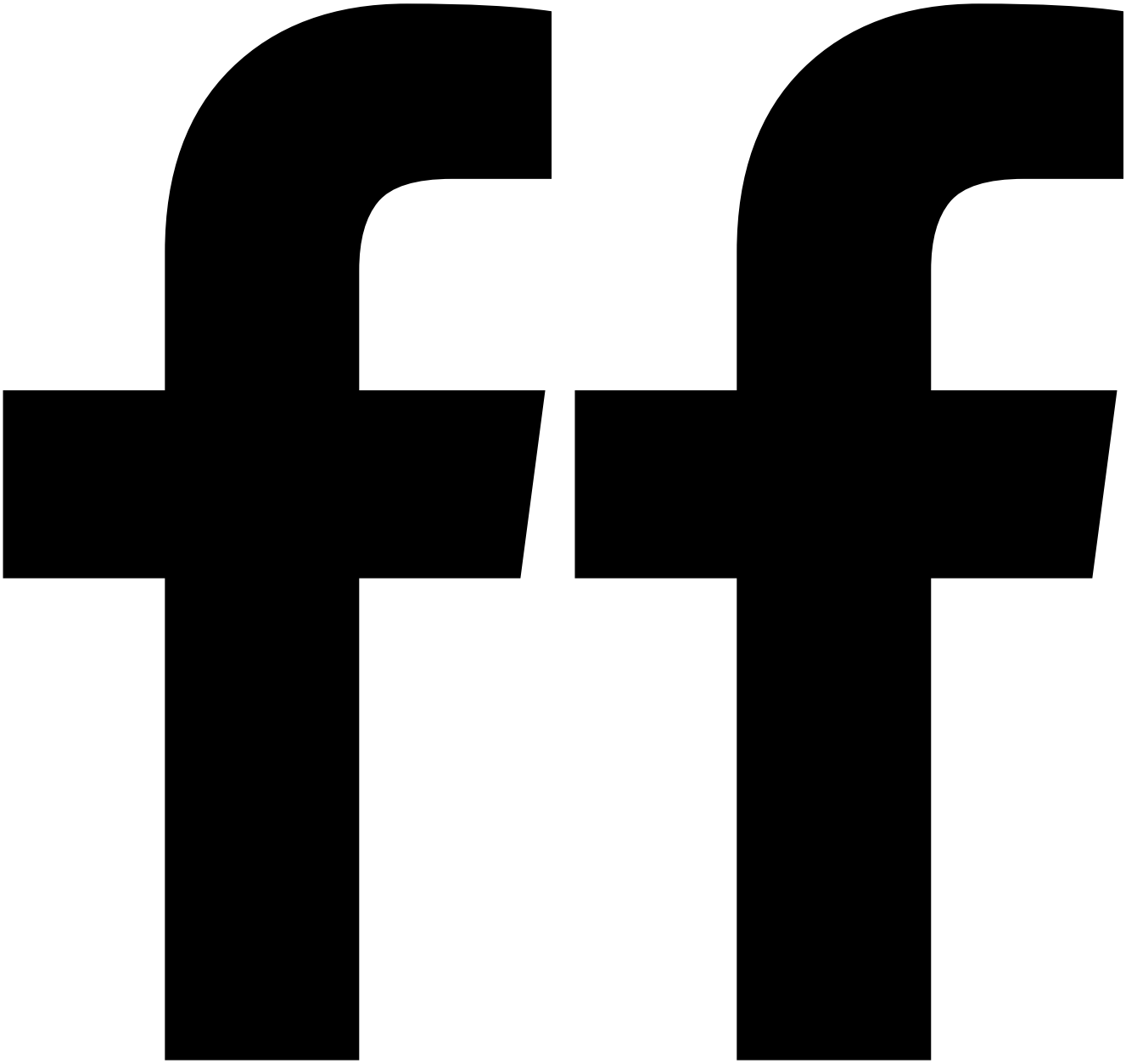
GALLERY





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