



Ysgol Gyfun Rhydywaun

Installation of Paxton Access Control System

ABOUT YSGOL GYFUN RHYDYWAUN



At Rhydywaun we are committed to ensuring wellbeing, ambition and the best opportunities for all.

At Rhydywaun we place emphasis on the welfare of the individual and the development of skills in a climate based upon care, self respect and respect for others. Motivating pupils to realise their potential and aspirations means providing a variety of opportunities, recognising successes and nurturing the talent and curiosity of the individual.

Through Ffordd Rhydywaun, we aim to foster a sense of pride in pupils' Welsh language and cultural heritage as well as develop their confidence to contribute positively to the school community and the wider community.

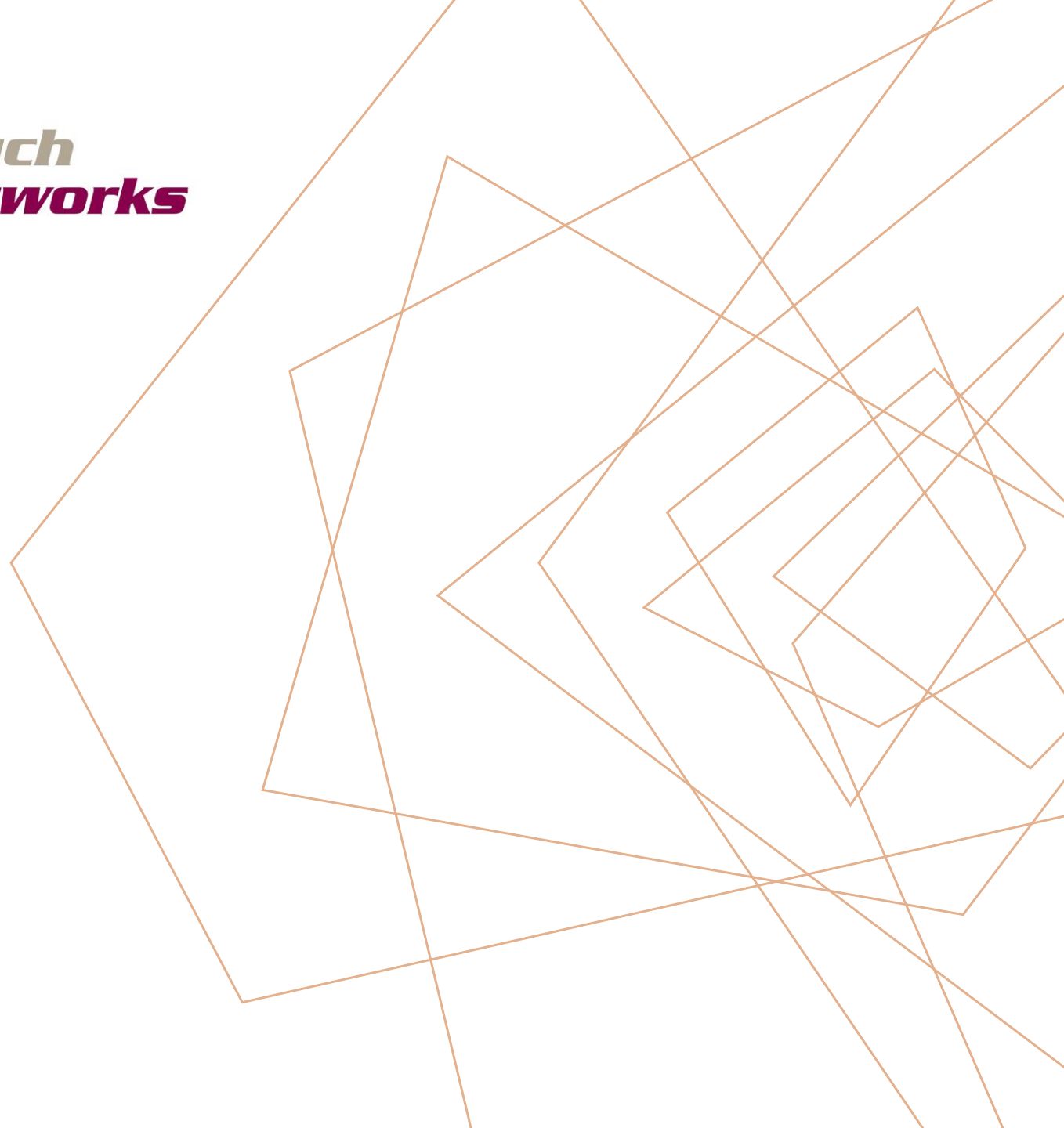
A close partnership between home and school is key to ensuring high standards in all aspects of school work and continued support for our pupils.



ABOUT TOUCH NETWORKS

Touch Networks are a solution provider that focus on bringing the expertise and latest technologies together to deliver the objectives of their clients and continuously seek to build in niche value-added features, by specialising in the key areas of Telecommunications, IT, and Security.

Touch Networks implement end-to-end solutions and take a partnership approach directly with the client. Our ability to deliver projects through design, consultancy, project management and engineering has been proven on large scale projects in the manufacturing, Aviation, Education and Retail industries.





REQUIREMENT

Previously the management of access was conducted by personnel within the school, during school hours including break and lunch time. To allow a more granular control and increase the general security the school wanted to employ an automated system which could be managed centrally and offer flexibility for holiday periods and visitors and contractors. Touch Networks have a wealth of experience in access control, both legacy and IP systems, and as a current supplier were offered the opportunity to propose a suitable solution.

Touch Networks had previously installed a fibre network in the school, with network switches deployed throughout the school, this infrastructure was to be leveraged to roll out a new Paxton IP access control system.

Touch Networks are authorised installers of Paxton Access systems and also SSAIB accredited, which was a pre-requisite for the size and complexity of the installation.

SOLUTION

Cabling Infrastructure

Category 6 structured cabling was installed from the local data cabinets to each door location. Local cabling was installed from the door controller to the locking furniture, card readers and exit buttons. Break glass units were installed at each door to satisfy fire regulations.

Software

To effectively manage the system Touch Networks installed Paxton's Net2 software on a central server.

The doors and users were setup, with the correct access level applied. The internal IT team were trained to commission the system including adding users and changing access level requirements. A schedule was setup to automatically release selected door during break, lunch and school holiday clubs.

Paxton Equipment

The system installed was Paxton Net2, consisting of a main intercom panel at the main entrance for the control of access into the premises. The external perimeter doors were secured with card and pin access. The control of movement within the school was achieved by installing controllers on the entrance to corridors.

Users

A card printing machine was setup to integrate with the Paxton system, this allowed the school to be totally self sufficient in adding new users. New users can be setup and ID cards printed which grant access to the areas permitted.

SOLUTION BENEFITS



Enhanced security of the premises

Flexible management of access both external and internal

Audit trail of access via the Paxton software

Roll call functionality

Event Reporting

Scalable solution



SUMMARY

We have worked with Ysgol Gyfun Rhydywaun since incorporation and relished the opportunity to provide a proposal based on the requirements that were set out. Working with the Senior Management and IT team we soon pinned down what was required and worked to complete our proposal. Due to the nature of the doors on site there was a considerable amount of bespoke fit work required. The result was exactly what we hoped it to be, and the functionality and control that followed has had a great impact on the overall security at the school.

Neil Parry, Touch
Networks