

NATIONAL THIRD PRIZE



McGill
UNIVERSITY



(Front L-R) Francois Grenier, Sue Reali, Daniel Faucher, Jim Nicell and Ryan Ortiz. (Back L-R) Gary Bernstein, Stephan Lengacher, Ante Rokov, Cara Piperni and Richard London. (Missing) Jacek Slaboszewicz

uPrint: a Unified and Sustainable Campus Cloud Print Solution

Traditional campus approaches to printing, copying, scanning and faxing rely on a multitude of devices, which often result in administrative, financial, operational and sustainability inefficiencies. McGill University has implemented an innovative project called uPrint, which reduces inefficiencies and costs, while simultaneously improving the user experience and reducing the carbon footprint. uPrint significantly improves on past practices through the implementation of a single fleet of multifunctional devices governed by central policies, and through the use of a high degree of automation for such services as IT Service Desk support, departmental and student billing, device policy setting, procurement and replenishment of supplies.

McGill staff and students now print jobs to the 'cloud' from any on- or off-campus location. No particular printer needs to be identified. Jobs are released from the cloud at a later time by the user waving a McGill ID card close to the RF reader on any networked campus printer. Access to other functionality, such as copying, faxing and scanning, is accomplished using the same authentication process. Printing and copying costs are the same everywhere, and users receive immediate feedback on the cost of their print jobs. In this cashless system, all charges are automati-

cally posted to the student's account or to the staff member's cost centre. Prepaid convenience cards associated with a cost centre are available for visiting professors and contractors.

Both sustainability and security are improved through McGill's cradle-to-grave agreement with its equipment vendor. All obsolete printers go through a rigorous process of disk wiping and responsible recycling/reuse. All paper is 100% recycled fibre content, and consumption is reduced by printer settings such as default two-sided printing. The 'store-and-release' model of printing also reduces paper usage by providing the option to cancel jobs at the printer, and increases security and privacy: print rooms are no longer filled with unclaimed printouts, print jobs are automatically wiped (not just erased) from printer internal disks after printing/scanning has been completed, and jobs not released after 48 hours are erased from the cloud.

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