

# “Lux Gloria” Solar Stained Glass Wins AIA Award

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Sarah Hall, RCA, Canada's foremost architectural glass artist is recipient of a 2014 Award by the American Institute of Architects (AIA) for her pioneering solar windows at Cathedral of the Holy Family in Saskatoon, SK, Canada.

Her project entitled "Lux Gloria" capitalizes on the unique juncture of renewable energy, architecture and spirituality in one of the world's coldest – but sunniest cities. Saskatoon receives an annual average of 2,381 hours of sunlight – the highest in Canada.



Her design for the newly built cathedral, includes an array of more than 1000 solar cells embedded in the Cathedral's south-facing art glass windows. Whereas traditional stained-glass windows can create energy losses for churches in cold climates, Sarah Hall's design for “Lux Gloria” achieves the opposite. Three monumental stained glass windows - each some 37' x 12' transform abundant prairie sunlight into an estimated 2500 kilowatt hours of electricity annually.



“Lux Gloria” (Light of Glory) is a landmark installation. The windows are not simply a technical innovation but also a triumph of beauty and design. This project is a world first – a cathedral whose stained glass windows generate energy from sunlight, and provide a visible demonstration of stewardship.

The AIA award cites Sarah Hall for her unique contributions to the built environment. Her technical partners include Glasmalerei Peters GmbH, solar engineer Christof Erban and Henry Downing Architects.

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