



EDUCATION

- University of Catania, Italy
 - MEng (Hons) Building Construction and Architectural Engineering, 2019
- NTNU, Trondheim, Norway
 - VVITA Erasmus Program, 2019

PRACTICE AREAS

- Facade Engineering
- Facade Consulting
- Failure Investigation and Repair Design
- Recladding Works
- Envelope and Structure Fire Safety
- Fire Safety Assessment for External Walls

PROFESSIONAL AFFILIATIONS

- CEng - Member of the Association of Engineers of Catania - Italy
- IStructE - Graduate Member of the Institutions of Structural Engineers

CONTACT

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EXPERIENCE

Antonio Russo joined WJE in 2024 with four years of facade engineering experience, including analysis, design, coordination, and construction review of building envelopes and components of various types and materials.

His primary area of expertise includes the design and installation of a range of faced systems, including unitised and stick curtain walling, precast concrete, ultra-high-performance concrete (UHPC), glass fibre reinforced concrete (GRF), terra cotta, rainscreen cladding, brickwork, stonework, and structural glazing. Mr. Russo has significant experience in conducting thermal, structural, and carbon calculations of facade components.

REPRESENTATIVE PROJECTS

Facade Engineering

- HS2 Curzon Street Station - Birmingham, England: Bespoke steel curtain walling design *
- Project Mersey - London, England: Visual and thermal glass build-up configuration; structural design of the balustrade integrated into the facade *
- Vertical - Tel Aviv, Israel: Environmental analysis of unitised double-skin facades *
- Kiran Nadar Museum - New Delhi, India: Structural design of UHPC shadow screen positioned in front of glazed facades *

Facade Consulting

- Tribeca Development - London, England: Facade monitoring for new six-building development
- 17 Columbus Courtyard - London, England: Facade engineering for existing building facade recladding
- Lisbon Street - Leeds, England: Client-side monitoring of facade engineering of twenty-four-storey purpose-built student accommodation
- Parnell Street - Dublin, Ireland: Client-side monitoring of facade engineering for a new five-block student accommodation complex

Failure Investigation and Repair Design

- One Kingdom Street - London, England: IGU assessment of PVB delamination
- 39 Bayle Street - Sheffield, England: Brick slip failure assessment
- Cortland Broad Street - Birmingham, England: Brick slip failure assessment
- Washford RAAC - Birmingham, England: Failure investigation and repair design

Recladding Works

- Corfe House - Poole, England: Rainscreen, render, and curtain wall monitoring
- Stanhope House - Portsmouth, England: Curtain wall and rainscreen cladding systems monitoring
- Europa House - Liverpool, England: Thermal performance assessment of the new EWS

Envelope and Structure Fire Safety

- Sheffield 3 - Sheffield, England: Structural fire protection of the steel structure inside the facade system
- Corfe House - Poole, England: Steel podium structural fire protection

Fire Safety Assessment for External Walls

- Sheffield 3 - Sheffield, England: External wall fire safety assessment, design assistance, and construction review for remedial works
- Upperton Rd - Leicester, England: External wall fire safety assessment, design assistance, and construction review for remedial works
- Buchanan - Glasgow, Scotland: External wall fire safety assessment, design assistance, and construction review for remedial works
- Mealmarket - Aberdeen, Scotland: External wall fire safety and structural fire protection assessment
- Magenta House - London, England: Byrom Point - Liverpool, England: External wall fire safety assessment

* Indicates project work at previous firm