GLOBAL SWITCH DATA CENTRE, PARIS, FRANCE

Architect: RB Architectes

The first phase of the project comprised the construction of 4,000 sq.m. and the extension of 14,000 sq.m. The six-level data space is one of the largest in France. The central systems include over 25 MVA of standby generator power and 22.8 MW of cooling towers. The backed-up power supply is ensured through 40 MVA of standby generator, associated with 25 MVA of dynamic UPS units. Our team ensured optimal resilience and 3D coordination of the technical scheme.

CHINA MOBILE, GLOBAL NETWOK CENTRE, HONG KONG

The GNC house the latest telecommunication exchange, data centre and cable landing station providing international mobile roaming services, long distance voice services, internet services, IPVPN services and local mobile television services. We delivered Project Management, MEP and LEED Consultancy Services.

SYDNEY WATER DATA CENTRE, PARRAMATTA, AUSTRALIA

Client: Brookfield Multiplex

Our specialist Built Ecology and Vision Design team provided integrated services, including all building services, lighting and sustainable design. A 400 sq.m. data centre is incorporated into the podium levels to support the business functions and 24hr systems operation centre, and provide a “hot site” with N+1 redundancy.

BLUE CROSS BLUE SHIELD CALL CENTRE, BOSTON, USA

Client: BCBS Healthcare Ins

We provided MEP/FP, communication technologies engineering and LEED commissioning for this 30,000 sq.m. facility. Project features include two 2,000 KVA generators set for standby/life safety, 900 sq.m. data centre; level 8 with N+1 design and redundant MEP systems.with required LEED® accreditation input and certification.

TELEHOUSE WEST, LONDON, UK

Value: £ 80m

Owned by one of the largest, global data centre providers, the building is classified as Critical National Infrastructure. The project included providing multidisciplinary engineering, security systems design and transport planning for an extension of the facility.

DIAMOND LIGHT SOURCE, HARWELL, UK

Value: £ 263m

Diamond is the new synchrotron radiation source at the Harwell Science & Innovation Campus. Its purpose is to produce intense beams of light. Special equipment incorporated into the design includes infrastructure for 15 beam lines, emergency standby cooling plant, water cooler racks and fast acting controls.

MISSION CRITICAL FACILITIES

DATA CENTRES

We have an extensive portfolio of successful data centre projects, embracing both partnering and single projects, for private sector clients including some of the world’s largest banking institutions and data centre providers.

CRITICAL NATIONAL INFRASTRUCTURE PROJECTS AND COMPLEX DEFENCE FACILITIES

We are privileged to have been involved in a number of projects of critical national importance, including infrastructure and defence projects. These projects often involve complex client requirements in terms of security, resilience and redundancy.

CRITICAL SYSTEMS FOR HOSPITALS

We have designed numerous major hospital projects which have similar mission critical requirements in terms of their dependency on secure and resilient systems that are essential to preserve life.

INFRASTRUCTURE

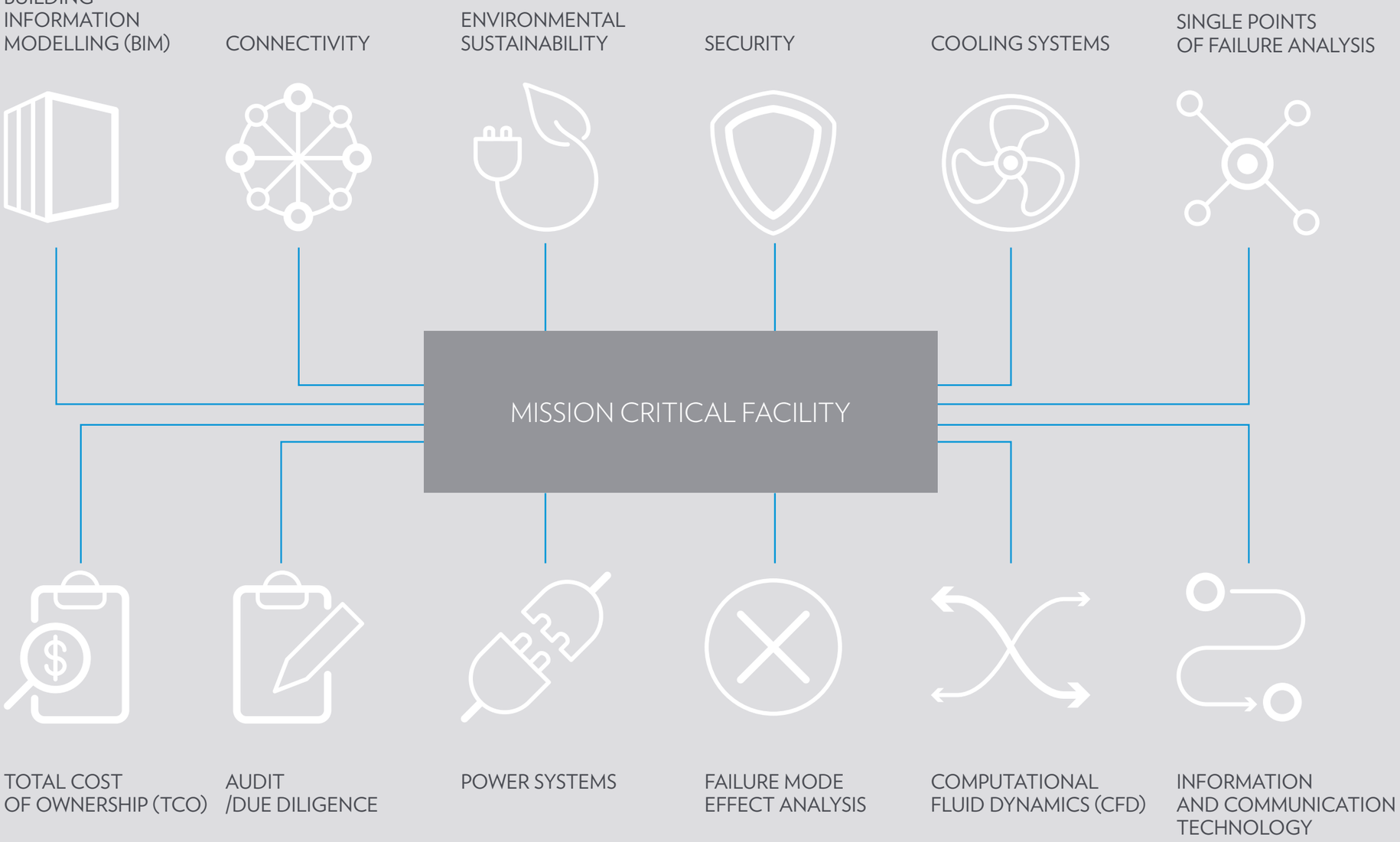
We have been involved in many critical infrastructure projects, including airports, complex transportation hubs and substations. Such projects require unique solutions especially in terms of security, telecommunication design and fire engineering.

TRADING FLOORS

We have a history of designing trading and dealing floors and the like. These facilities require similar levels of security, resilience and redundancy to allow financial transactions to progress without interruption.

WSP | PARSONS BRINCKERHOFF

OUR SERVICES



1. INVESTIGATIONS, DUE DILIGENCE, FEASIBILITY STUDIES, REPORTS
2. BRIEF DEVELOPMENT
3. ENVIRONMENTAL PERMITTING
4. DESIGN
5. PROCUREMENT
6. CONSTRUCTION SUPERVISION
7. TESTING AND COMMISSIONING
8. INTEGRATED SYSTEMS TESTING