

# RDS

BIM | DESIGN | ENGINEERING



[rdsind.co](http://rdsind.co)

# Hello, We are RDS

At the heart of RDS is a team providing BIM outsourcing and digitalization services, built on deep design and construction expertise. We deliver fully coordinated, data-driven BIM solutions that enhance efficiency, accuracy, and constructability while ensuring seamless coordination across all project stages. With over five years of a paperless digital journey, ISO 19650-compliant workflows, and BSI-certified professionals, RDS ensures every project is executed with precision, innovation, and integrity.

# Why RDS

RDS is a trusted partner for BIM outsourcing, coordination, engineering documentation, and digital project delivery across Australia, the Middle East, Europe, and India. Our multidisciplinary team combines architectural, structural, and MEP expertise with advanced digital capabilities to deliver intelligent, buildable, and value-driven solutions.

What makes RDS unique is our team of BIM professionals with years of experience working on **landmark UAE projects, including Palm Jumeirah, Burj Khalifa, Dubai Marina, and DIFC**. This local expertise, combined with global best practices, enables us to deliver solutions that are both innovative and practical for real-world construction challenges.

## We focus on:

- **Client Value** – understanding objectives and delivering measurable impact
- **BIM Excellence** – leveraging technology to improve coordination and accuracy
- **Innovation & Collaboration** – integrating people, process, and digital tools
- **Reliability** – delivering every project with consistency and integrity

As pioneers in virtual design and digital construction, we continuously invest in innovation, technology, and talent to provide future-ready BIM and project.

# What we do

We transform complex design and BIM requirements into fully coordinated, multidisciplinary, data-rich BIM models (LOD 100-500) and high-quality documentation that drive accuracy, efficiency, and informed decision-making. Leveraging advanced digital tools, ISO 19650-compliant workflows, and a skilled multidisciplinary team, we help clients reduce risk, enhance constructability, and achieve.



BIM modeling and management



Design Development



Shop Drawings



Construction Planning  
& Methodology



Document and Digital Project  
Management



As Built & Asset  
Information



Scan-to-BIM Solutions



Rendering & Visual Walkthrough



## **BIM Outsourcing & Management**

RDS specializes in providing BIM outsourcing services from concept to construction, offering scalable and ISO 19650–compliant solutions. Our expertise includes:

- Multi-disciplinary model development (Architectural, Structural, and MEP – LOD 100–500)
- Coordination, clash detection, and issue resolution
- 4D simulations for construction sequencing
- 5D simulations for cost planning and estimation
- Quantity take-offs and project analytics
- BEP and EIR compliance, model audits, and data validation
- Scan-to-BIM and model creation from sketches or point clouds

## **Design Development**

We support design teams from schematic through tender stages, developing coordinated BIM models that reflect design intent, buildability, and sustainability. Our approach ensures compliance, efficiency, and design integrity across all disciplines.

## **Shop Drawings**

RDS produces fully coordinated multidisciplinary shop drawings integrating architectural, structural, and MEP details. Our construction-experienced team ensures documentation that minimizes site conflicts and enables projects to be built right the first time.

## **Construction Planning & Methodology**

RDS enhances project planning through digital construction methodologies. We provide 4D and 5D simulations, method statements, logistics plans, and visual sequencing — ensuring optimized construction processes, improved coordination, and safer site execution.

## Document and Digital Project Management

RDS provides document and digital project management solutions using platforms such as Autodesk Construction Cloud, Aconex, Procore, PMWeb, and BIM 360. We ensure standardized submissions, real-time tracking, version control, and transparent workflows for seamless project delivery.

## Rendering & Visual Walkthrough

RDS enhances design visualization by providing high-quality rendering and immersive visual walkthroughs. Our 3D visualization services help clients, consultants, and stakeholders experience projects virtually before construction begins.

## Scan-to-BIM Solutions

RDS delivers high-accuracy Scan-to-BIM solutions, converting existing buildings and infrastructure into intelligent digital models. Using laser scanning, photogrammetry, and drone-based capture, our specialists create detailed 3D representations that support design, renovation, and facility management.

## As Built & Asset Information Modelling

RDS delivers accurate as-built BIM and 2D documentation through Scan-to-BIM, GIS integration, and drone scanning — supporting project handover, facility management, and digital twin development for asset lifecycle management.



# Our Projects

## KULA BELGRADE

Location: Belgrade, Serbia  
Client: Eagle Hills - Abhu Dhabi

RDS team undertook BIM management, structural & architectural shop drawings and coordination, MEP shop drawing and coordination, Value Engineering Rebar detailing, 4D modelling Construction methodology using BIM for this prestigious project in Belgrade.

## 161 EASTERN

Location: 161 Eastern Road, South Melbourne, Australia  
Client: Kapitol

Located in Heart of South Melbourne. The 161 Eastern will be a Residential and commercial building consists of 31 luxury 2-, 3- & 4-bedroom residences over 10 levels, as well as commercial office spaces. The project amenities start at the ground floor with an elegant lobby and office space and includes a 3-level basement with ample car spaces, electric car charging provisions, and bike storage.

RDS specialist team worked on preparation of detailed shop drawings based on model, interdisciplinary coordination and input from site team.



## MEL 05

Location: Yarraville, Victoria, Australia  
Client: Kapitol

Yarraville, Victoria, South Melbourne will soon be home to MEL05, an expansive and cutting-edge data center developed by Microsoft.

The RDS specialist team dedicated their efforts to creating coordinated concrete profile shop drawings by Leveraging advanced design models, interdisciplinary collaboration, and meticulous consideration of on-site conditions, we have ensured the highest level of precision and excellence in our work for this cutting-edge data center project.

## MEL 04

Location: Yarraville, Victoria, Australia  
Client: Kapitol

Located in Yarraville, Victoria South Melbourne. MEL04 will be one of the two states of the art data center of Microsoft.

RDS specialist team worked on preparation of coordinated concrete profile shop drawings based on Design models, interdisciplinary coordination and site condition input.





## DORCHESTER HOTEL

Location: Business Bay, Dubai, UAE  
Client: Sky Palaces Real Estate Development

With world renowned architects Foster and Partners concept design. The project has benefited from RDS's BIM management, Design and shop drawing management, Construction stage Design logistics planning and administrating Digital Project Management System.



## MEL 11

Location: Truganina, Victoria, Australia  
Client: Kapitol

Located in Truganina South Melbourne. MEL11 will be one of the two states of the art data center for Microsoft RDS specialist team worked on preparation of coordinated concrete profile shop drawings based on Design models, interdisciplinary coordination and site condition input.



The background image is a photograph of a modern, curved glass skyscraper in an urban setting. The building has a distinctive rounded corner and is surrounded by other city buildings and trees. The sky is clear and blue.

## Plot 12A BW Metropolitan

Location: Belgrade, Serbia  
Client: Eagle Hills, Belgrade

BW Metropolitan is a 320-apartment residential scheme over two towers in the heart of the new Belgrade Waterfront development on the banks of the SAVA river. Over 17 stories and 45,000m<sup>2</sup> of Gross Floor Area (GFA), our parent company, Roberts Constructions is delivering the project in joint venture with partner, Millennium team. RDS is involved in the construction stage design management which includes ;

- Onsite and offsite construction stage design coordination
- Preparation of coordinated shop drawings for: Concrete | MEP | Rebar | Partition | Finishes | Landscape.

The background image is a 3D architectural rendering of a modern EV charging station. It features a large, yellow, angular canopy structure over several charging bays. A car is shown parked at one of the charging stations. The scene is set in an urban environment with other buildings and trees in the background.

## EV Charging Station

Location: Porrentruy, Switzerland  
Client: Kieschmann

An advanced EV charging station in Porrentruy, Switzerland, has been designed with sustainability and efficiency in mind. This project exemplifies our dedication to providing future-ready infrastructure that supports eco-conscious lifestyles and meets the growing demand for sustainable mobility.

RDS played a pivotal role during the construction phase by providing comprehensive BIM modeling and construction documentation services. Our expertise ensured precise coordination, enhanced design accuracy, and seamless communication among stakeholders, contributing to efficient project execution and delivering high-quality results.



## Batard BAR and Restaurant

Location: Melbourne CBD, Victoria, Australia  
Client: Kapitol

Located in Melbourne Victoria. Maison Bâtard is a celebration of modern French culture which has been imagined uniquely for Melbourne in a nod to the city's golden era of hospitality.

Careful and meticulous restoration has transformed the landmark heritage site at 23 Bourke Street into a four-level haven of immersive, French-accented dining and celebratory experiences; including a showpiece restaurant spanning the lower two floors, a late-night supper club in the basement and an elegant rooftop terrace.

RDS specialist team worked on preparation of coordinated concrete profile, partition, Ceiling and finishes shop drawings based on Design models, interdisciplinary coordination, site condition input. Apart from that we have also produced LOD 400 models of interior furniture external cladding for coordination.

## Tour Triangle

Location: Paris, France  
Client: SIX Construct and CSI Network

One of the iconic projects of Europe and specifically Paris. The Tour Triangle will be a triangle-shaped building that culminates at 180 meters (590 ft). Being 42 floors high, it would accommodate about 5,000 employees and host offices, street-level shops, panoramic observatories, and a panoramic restaurant on the top floor.

RDS specialist team worked on BIM management, preparation of detailed shop drawings based on model updated, interdisciplinary coordination and input from site team.



## Vida Hotel

**Location:** Umm Al Quwain, UAE  
**Client:** Emaar Properties

Nestled on the shores of the Arabian Gulf facing the vibrant mangrove forests of the Umm Al Quwain bay, Roberts is delivering the luxurious Arabian styled beach hotel and villas for Emaar Properties and Nshama. The Vida Hotel and Resort extend over 4 hectares of landscaped grounds and includes 132 rooms and 8 VIP villas with their own direct access to the ocean.

RDS played a pivotal role during the design and construction phase by providing comprehensive BIM modeling and construction documentation services. Our expertise ensured precise coordination, enhanced design accuracy, and seamless communication among stakeholders, contributing to efficient project execution and delivering high-quality results.

## CFMEU Training & Wellness Centre

**Location:** Melbourne CBD, Victoria, Australia  
**Client:** Capitol

Located in Melbourne Victoria. The new Training and Wellness Centre will serve as a dedicated training and wellness facility for CFMEU members, featuring five distinct areas designed to cater to specific needs. These areas will include culturally sensitive spaces for women and indigenous members, a state-of-the-art gym / rehabilitation space for injured members returning to work, and a versatile multi-purpose space for functions and events.

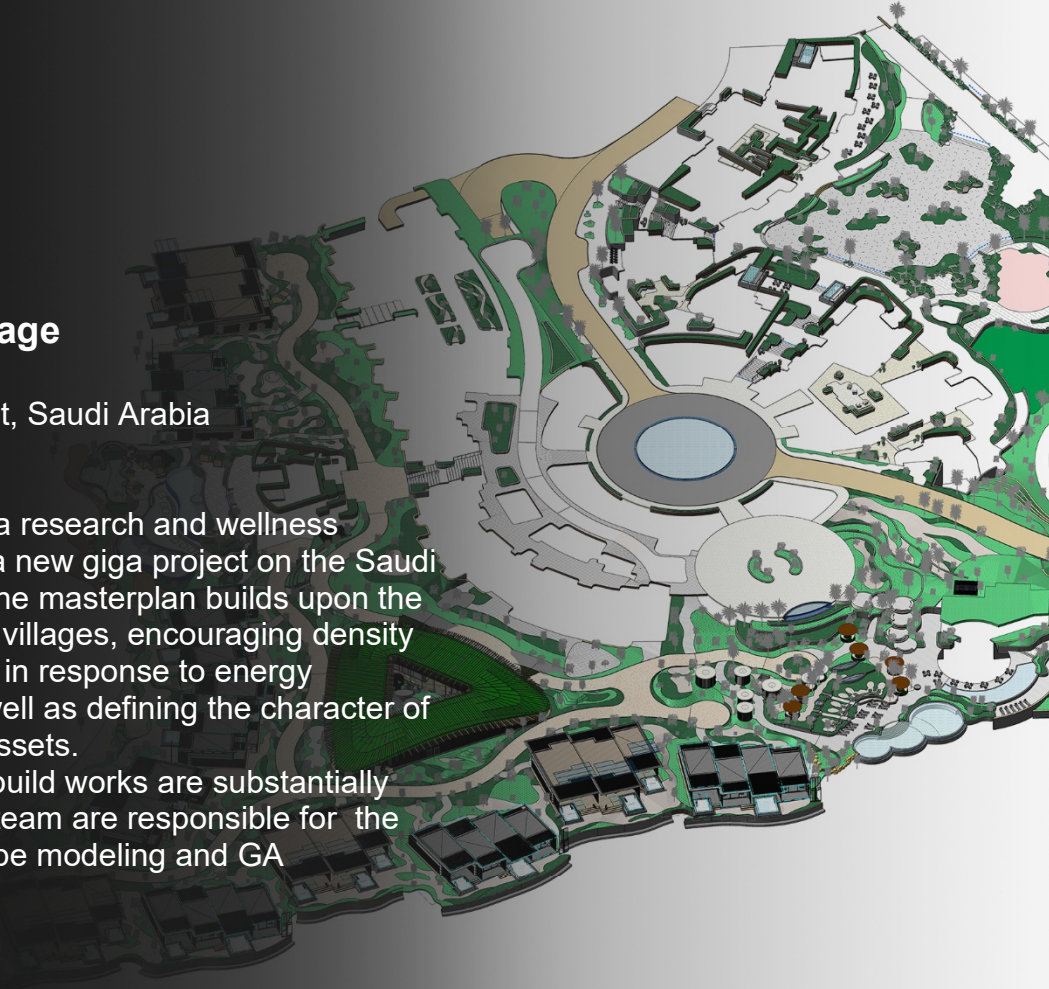
RDS specialist team worked on preparation of coordinated concrete profile shop drawings based on Design models, interdisciplinary coordination and site condition input.



## Triple Bay Marina Village

Location: Red Sea Coast, Saudi Arabia  
Client:

The new Marina Village is a research and wellness destination at the heart of a new giga project on the Saudi Arabian Red Sea coast. The masterplan builds upon the techniques of local historic villages, encouraging density and self-shaded structures in response to energy demands and comfort as well as defining the character of the many interconnected assets. Whilst structure and base build works are substantially complete, RDS specialist team are responsible for the completion of the Landscape modeling and GA Preparation.



## Amazon Web Services ICAD Data Centre

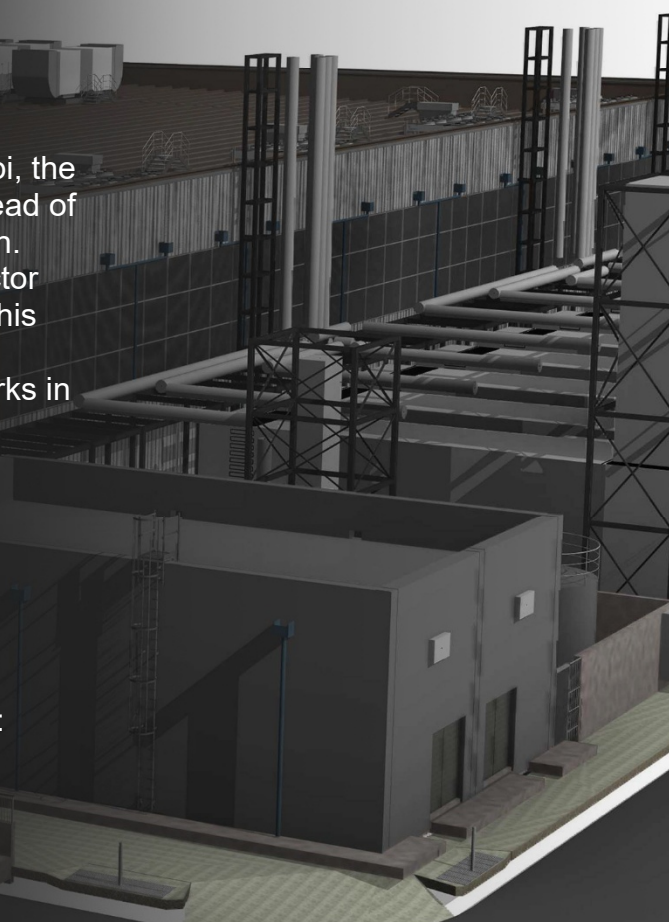
Location: Abu Dhabi, UAE  
Client: JLW, Amazon Web Services

Located within the ICAD industrial zone of Abu Dhabi, the new Amazon Web Services data centre is a spearhead of Amazon's aggressive expansion into the GCC region. Roberts Construction are working with lead contractor and services specialist James L Williams to deliver this major digital infrastructure project. Roberts are undertaking all foundation, building and finishing works in addition to future phases of external works and infrastructure.

With a fast-track programme, the project is due for completion in third quarter 2021.

RDS is involved in the construction stage design management which includes;

- Onsite and offsite construction stage design coordination
- Preparation of coordinated shop drawings for: Concrete | Partition | Finishes.







## NEXTDC D1 Darwin Data Centre

**Location:** Darwin, Northern Territory, Australia  
**Client:** Kapitol

Located in Darwin, Northern Territory, Australia.  
NEXTDC D1 Darwin Data Centre

This will be one of the two states of the art data center for NextDC RDS specialist team worked on preparation of coordinated concrete profile shop drawings based on Design models, interdisciplinary coordination and site condition input.



## QIDDIYA WATER THEME PARK

**Location:** Riyadh, Kingdom of Saudi Arabia  
**Client:** ALEC

The Kingdom's FIRST and region's LARGEST water theme park.

RDS prepares and delivering the rebar drawings for the project in coordination with all other specialist sub-contractors and consultants.





## Tower G65

Location: Al Barsha, Dubai, UAE  
Client: Macintyre Group

Located within the bustling residential and commercial district of Barsha in Dubai, this modern and efficient building has been designed and constructed from project inception through feasibility and concept, to detailed design and delivery by Roberts Constructions. RDS provided Design and BIM Support for Contractor from inception to handover documentation. The relatively slender building boasts 117 apartments, a rooftop club and pool deck, ground floor retail, and food & beverage outlets.



## Address Hotel and Residences - Fujairah - Resort and Spa

Location: Fujairah, UAE  
Client: Eagle Hills – Abu Dhabi

Located within Fujairah, a modern city separated from the rest of the UAE by the majestic Hajar mountains to the west and the serene Indian Ocean to the east, this project will feature the completion of the Address Hotel's 196 luxury suites, public areas, F&B outlets, spa retreat and pools, water-features and landscaping, and the Residences four apartment buildings comprising 177 two, three and four bedroom fully fit-out apartments and 10 luxury villas.

Whilst structure and base build works are substantially complete, Roberts specialist hospitality team are responsible for the completion of the hotel, serviced apartments, villas, external works, infrastructure and public spaces and to delivery and handover to operations of this 5-star luxury property.

RDS is involved in the construction stage design management which includes;

- Onsite and offsite construction stage design coordination
- Shop drawings and As built Drawings for Finishes and landscape.

# CONTACT US



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