



Jana Tanmia Resources

FACILITY & ENERGY ENGINEERING

***Our Specialization:
Integrated Development of Private
Hospital & Healthcare Facilities***

(382767-D)

No. 11, Jalan Kota Raja H/27H, Hicom Town Centre Seksyen 27, 40400 Shah Alam, Selangor Darul Ehsan

Tel: 03-5191 4505 | Fax: 03-5191 4508 | enquiry@jtr.my | www.jtr.my

Company Overview

Jana Tanmia Resources Sdn. Bhd. specializes in the end-to-end development and delivery of private hospitals, transforming healthcare visions into fully operational medical facilities. From feasibility studies, strategic planning, and healthcare design to construction, commissioning, licensing, and facility management, we provide a comprehensive turnkey solution that ensures quality, compliance, efficiency, and longterm sustainability.

Leveraging our expertise in engineering, design & build, energy-efficient infrastructure, and facility management, we deliver healthcare environments that meet the highest standards of patient care, operational performance, and regulatory compliance.

Our integrated approach enables healthcare investors, operators, and government-linked organizations to accelerate project delivery, optimize lifecycle costs, and establish world-class healthcare facilities that serve communities for generations.

Professional Competency

FACILITY AND ASSET MANAGEMENT

- Certified Associate in Asset Management, CAAM (AMC, AUS)
- Certified Facility Manager, CFM (CIDB, MY)

HEALTH FACILITIES

- Certified Healthcare Facilities Manager, CHFM (CIDB, MY)
- Certified Competent of Healthcare Contractor, SKKK (JKR, MY)

HVAC AND MEDICAL GAS

- Authorized Person Healthcare HVAC (BTEC,UK)
- Authorized And Competent Person MGPS (BTEC Edexcel, UK)

PROJECT MANAGEMENT

- Master International Project Management, MIPM (IAPM,UK)

GREEN BUILDING

- Green Building Index Facilitator, GBIF (MGBC,MY)

ENERGY

- Registered Electrical Energy Managers, REM (EC,MY)
- Certified Energy Auditor, CEA (AEE,USA)
- Certified Energy Manager, CEM (AEMAS, MY)
- Certified Professional Measurement & Verification, CPMV (MGTC,MY)
- ENMS ISO 50001 EXPERT (UNIDO)



ASSET MANAGEMENT COUNCIL



GAFM ACADEMY
OF FINANCE AND
MANAGEMENT



Approved Centre from Person



Suruhanjaya Tenaga
Energy Commission



MALAYSIA
GREEN BUILDING
CONFEDERATION



AEMAS

ASEAN Energy Management Scheme



GreenTech
Malaysia

Our Integrated Capabilities:

Healthcare Feasibility & Development Strategy

Provide comprehensive feasibility and strategic planning services to ensure healthcare projects are commercially viable, operationally efficient, and aligned with market needs.

Healthcare Design & Compliance

Deliver healthcare-focused planning and design solutions that ensure hospitals are safe, efficient, patient-centric, and fully compliant with regulatory requirements. By integrating clinical workflows, engineering systems, infection control measures, and authority approvals into the design process, we create healthcare facilities that support operational excellence and regulatory readiness from the outset.

Design & Build (Turnkey Hospital Delivery)

Provide complete turnkey hospital delivery services, managing every aspect of construction, engineering, and specialist healthcare systems integration. Our coordinated approach ensures hospitals are delivered efficiently, compliant with healthcare standards, and ready for operation upon completion.

Our Integrated Capabilities:

District Cooling & Energy Solutions (Core Strength)

Specialize in integrating district cooling and energy-efficient infrastructure into healthcare developments, helping hospitals reduce operating costs, improve sustainability, and ensure reliable performance for critical healthcare environments.

Testing, Commissioning & Licensing Support

Ensure all hospital systems are fully tested, commissioned, and compliant with regulatory requirements, supporting a smooth licensing process and operational readiness.

Facility Management & Operational Support

Ensure all systems are tested, commissioned, and compliant for licensing and operational readiness.

Specialization: Private Hospital Development

At Jana Tanmia Resources Sdn. Bhd., private hospital development is not treated as a conventional construction project—it is delivered as a fully integrated healthcare infrastructure lifecycle solution. Our specialisation covers the complete journey of a hospital, from early-stage feasibility and investment planning through to fully operational, licensed medical facilities. We focus on transforming healthcare concepts into safe, efficient, compliant, and financially sustainable hospitals that are ready to serve patients from day one of opening.



Healthcare Concept & Feasibility Development

We begin with a structured evaluation of the healthcare opportunity to ensure project viability and long-term success. The evaluation covers:

- Market demand and demographic analysis
- Healthcare service gap identification (general, specialist, tertiary care)
- Bed capacity planning and service mix optimisation
- Financial feasibility studies and investment structuring
- Public-private partnership (PPP) and joint venture (JV) advisory support
- High-level master planning for hospital campuses

This stage ensures that every project is commercially viable, clinically relevant, and strategically positioned.

Specialization: Private Hospital Development

Hospital Planning, Design & Regulatory Compliance

We develop hospital designs that align with both operational efficiency and strict regulatory frameworks, particularly those governed by the Ministry of Health Malaysia.



- Clinical workflow and patient journey planning
- Infection control zoning and hospital circulation design
- Architectural planning for general and specialist departments
- Engineering design coordination (civil, structural, MEP)
- Compliance with MOH healthcare facility guidelines
- Coordination with BOMBA, local councils, DOSH, and utility providers
- Integration of Green Building and sustainability principles

The focus is on creating hospitals that are operationally efficient, safe for patients, and compliant from the outset.

Specialization: Private Hospital Development

Engineering, Construction & Turnkey Delivery

As a design-and-build capable organisation, we execute hospital projects through a fully integrated delivery model that includes:



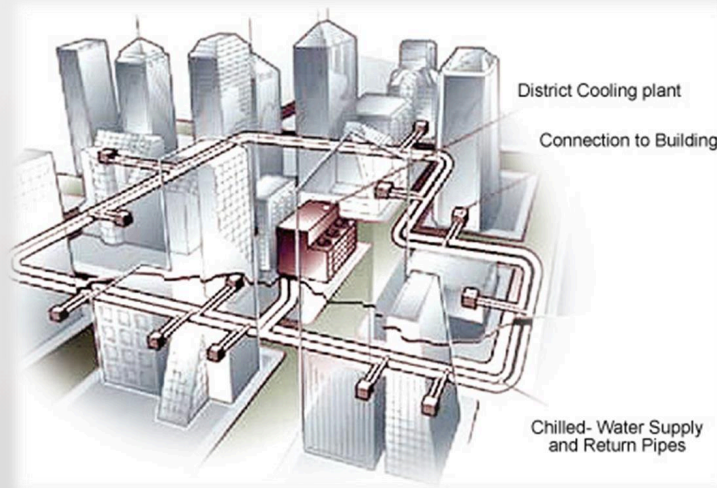
- Civil and structural construction works
- Full Mechanical, Electrical, and Plumbing (MEP) systems
- Cleanroom and controlled environment construction (OT, ICU, isolation rooms)
- Medical gas pipeline systems
- HVAC systems designed for critical healthcare environments
- Fire protection and life safety systems
- ICT, nurse call, and hospital communication systems
- Medical equipment coordination and installation support

This ensures seamless integration between building structure, clinical requirements, and hospital operations.

Specialization: Private Hospital Development

District Cooling & Energy Optimisation (Core Capability)

A key differentiator of Jana Tanmia is our ability to design and integrate district cooling and centralised energy systems into hospital developments. The scopes cover:



- Central chilled water plant design and implementation
- District cooling integration for hospital campuses
- Energy efficiency optimisation for 24/7 healthcare operations
- Reduction of long-term operational expenditure (OPEX)
- ESG-aligned sustainable healthcare infrastructure design

This allows hospitals to achieve lower lifecycle costs while maintaining high reliability and thermal stability for critical care environments.

Specialization: Private Hospital Development

Testing, Commissioning & Licensing Readiness

Prior to the commencement of hospital operations, we ensure that all these systems are fully tested, commissioned, and compliant with regulatory requirements for licensing approval:

- Integrated systems testing (MEP + clinical systems)
- Commissioning of critical care environments (OT, ICU, emergency)
- Safety validation and performance verification
- Operational readiness assessments and mock hospital trials
- Support for licensing with relevant authorities under Ministry of Health Malaysia
- Staff workflow validation and SOP alignment

This phase ensures the hospital is fully functional, safe, and ready for patient care on day one.



Specialization: Private Hospital Development

Facility Management & Lifecycle Support

Our involvement extends beyond construction and commissioning to support long-term operational performance, including:

- Total Facility Management (TFM) for healthcare facilities
- Preventive and predictive maintenance systems
- Biomedical engineering support services
- Energy monitoring and optimisation programs
- Asset lifecycle planning and replacement strategies
- Compliance management and operational audits

This ensures hospitals remain efficient, compliant, and cost-effective throughout their lifecycle.



Our Competitive Advantage:

Engineering-Led Healthcare Delivery

Unlike conventional contractors, Jana Tanmia integrates engineering systems, energy solutions, and FM planning from day one.

End-to-End Single Point Responsibility

From feasibility to operations– reducing fragmentation, delays, and cost overruns.

Sustainability & Cost Efficiency

Through district cooling and smart energy systems, hospitals achieve:

- Lower operational expenditure (OPEX)
- Improved ESG performance
- Long-term asset value

Strategic JV & Partnership Model

Collaboration with healthcare operators, state-linked entities, and investors.

OUR SPECIALIZATION

- SUSTAINABLE FACILITY MANAGEMEMENT
- SUSTAINABLE CONSTRUCTION
- ENERGY MANAGEMENT ENERGY EFFICIENT SYSTEM
- CLEANROOM OPERATION THEATER, BIOSAFETY LAB, GMP LAB
- RENEWABLE ENERGY (SOLAR WIND BIOMASS)
- ENERGY EFFICIENT HVAC/ACMV SYSTEM

- BUILDING IAQ, IEQ, HUMIDITY & MOLD CONTROL
- MEDICAL GAS PIPELINE SYSTEM
- HOT WATER & STEAM SYSTEM
- DISTRICT COOLING SYSTEM
- SETTING UP OF NEW PRIVATE HOSPITAL

 **KINGFIT**
OIL FREE CHILLER

 **ACCUTROL** LLC
CLEANROOM AIR FLOW
CONTROL

 **CPX**
MEDICAL GAS

 **Bioxygen**®
ADVANCE AIR
FILTRATION

 **ATA**
ATA LAMINAR
AIRFLOW CEILING

 **VOLTERRA**
BATTERY ENERGY
STORAGE SYSTEM (BESS)

 **jule**
EV CHARGING

 **CURVE H2**
TURQUOISE
HYDROGEN PLANT

(382767-D)

No. 11, Jalan Kota Raja H/27H, Hicom Town Centre Seksyen 27, 40400 Shah Alam, Selangor Darul Ehsan

Tel: 03-5191 4505 | Fax: 03-5191 4508 | enquiry@jtr.my | www.jtr.my