

HVAC

for Operating Rooms

Company Profile

Clean, stable, and reliable air system solutions for medical facilities

JASA TEKINDO PERSADA — Company Profile

Precision HVAC Solutions for Operating Rooms (OR) & Critical Medical Areas

Field	Planning, installation, testing, and maintenance of HVAC systems for healthcare facilities—focused on Operating Rooms (OR) and critical areas.
Established	1997
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Summary

We help hospitals, clinics, and medical facilities achieve stable and documented temperature control, humidity, room pressure, and air quality to support patient safety, surgical team comfort, and compliance with medical-area standards.

Company Snapshot

Jasa Tekindo Persada is an HVAC solutions provider focused on medical environmental requirements—especially Operating Rooms (OR) and critical areas that demand **clean, stable, and measurable air**. We combine engineering expertise, neat installation practices, and documented testing to ensure systems perform as designed and remain sustainable throughout their lifecycle.

- Primary focus: OR, ICU/NICU, CSSD, isolation rooms, procedure rooms, laboratories, pharmacy, and other clean areas
- Scope of work: design & calculations, procurement, installation, testing & commissioning, and preventive maintenance
- Service orientation: system reliability, hygiene, energy efficiency, and audit readiness

Value for healthcare facilities

Precision HVAC helps reduce cross-contamination risk, maintain a safe working environment for medical teams, and sustain clinical process quality through consistent environmental control.

About the Company

As a technical partner for healthcare facilities, Jasa Tekindo Persada is committed to providing HVAC systems that support care and medical procedures through a **standards-based, measurable engineering**, and **disciplined field execution** approach. We understand that Operating Rooms (OR) and critical areas require stable parameters, controlled air cleanliness, and 24/7 operational reliability.

Service scope

- Needs consultation, site survey, and operational risk assessment (clinical environment)
- System planning: concept, load calculation, airflow, zoning, and room pressure control
- Procurement of equipment and materials (per specifications & technical documents)
- Installation of ducting, piping, insulation, dampers, terminals, and control systems
- Testing, Adjusting, Balancing (TAB) and commissioning
- Scheduled maintenance, repairs, and energy-efficiency optimization

Approach	Output	Impact
Precision engineering & documentation	Measured & documented room parameters	More audit-ready and easier to maintain
Neat execution in active areas	Minimal disruption to clinical services	Facility operations keep running
Energy-consumption optimization	Efficient controls & setpoints	Operating costs are more controlled

Vision, Mission, and Core Values

Vision

To become a leading HVAC partner for healthcare facilities through room-environment solutions that are hygienic, stable, energy-efficient, and standards-compliant—especially for Operating Rooms (OR) and critical areas.

Mission

1. Design and build HVAC systems for medical areas with precise control parameters: temperature, humidity, filtration, and room pressure.
2. Provide a documented testing & commissioning process to ensure systems operate as designed.
3. Maintain reliability through preventive maintenance programs, service responsiveness, and available technical support.
4. Promote energy efficiency without compromising room-environment quality and patient safety.

Core Values

- **Safety & Compliance** — prioritizing medical-area standards and workplace safety in hospital environments.
- **Precision** — room parameters must be measurable, stable, and verifiable through data.
- **Integrity** — transparency in specifications, material quality, and scope of work.
- **Reliability** — systems are designed to operate consistently and be easy to maintain.
- **Collaboration** — working in alignment with medical teams, facility management, consultants, and related contractors.

Specialized HVAC Services for Operating Rooms (OR)

We provide OR-specific HVAC solutions that emphasize tight control of **temperature**, **humidity**, **filtration**, **room pressure**, and **airflow patterns**. The goal is to create a surgical environment that is comfortable, hygienic, and consistently maintainable.

Critical Aspect	Technical Focus	Operational Objective
Temperature control	Setpoint stability & air distribution	Surgical team comfort and process stability
Humidity control	Dehumidification/humidification as required	Supports hygiene and equipment performance/sterility
Air filtration	Pre-filter through HEPA (per critical-area design)	Reduces particulates and contamination risk
Room pressure	Positive/negative pressure, airlock, interlock (if required)	Controls air movement between zones
Air changes & airflow	Managing air exchange rates and flow direction	Supports area cleanliness and aerosol control
Energy efficiency	Control strategy, scheduling, heat recovery (optional)	Lowers operating costs without reducing environmental quality

OR project deliverables

- Working drawings & shop drawings (ducting, piping, terminals, zoning)
- Work method statement for active medical areas (dust & noise control)
- TAB & commissioning report, including room-parameter measurement results

Operations manual, as-built drawings, and a preventive maintenance plan

Key Strengths & Differentiation

We understand that healthcare facilities need more than “AC that runs”—they need systems that are **controlled, documented, and reliable** to support patient safety and smooth clinical operations.

- **Medical-area focus** — experience and work practices tailored for hospital/clinic environments and procedure rooms.
- **Verifiable parameters** — a measurement-based approach (TAB/commissioning) to ensure airflow, room pressure, and filtration performance meet design targets.
- **Neat, maintainable installation quality** — planned duct/pipe routing, service access considered, and clear system labeling to support facility teams.
- **Risk management in active areas** — methods that minimize dust, maintain cleanliness, and reduce disruption to facility operations.
- **Practical energy efficiency** — control optimization and operating strategies aligned with load needs and room usage schedules.
- **After-sales support** — preventive maintenance programs, repair response, and continuous improvement recommendations.

What You Receive	Direct Benefit
Test reports & handover checklists	Documentation that supports internal/external audits
Zoning design & room pressure control	Improved cross-contamination control
Preventive maintenance plan	Higher reliability and reduced downtime

Work Process / Project Stages

We apply a structured workflow to ensure technical quality, safety, and continuity of healthcare facility operations.

1. **Kick-off & requirements gathering** — understanding room functions, clinical workflow, operating hours, and target environmental parameters.
2. **Site survey & assessment** — verifying existing conditions, utilities, MEP space, and integration points with other systems.
3. **Planning & technical design** — load calculations, airflow, zoning, room pressure, and defining filtration and control concepts.
4. **Materials & equipment procurement** — selecting components per specifications and planning incoming inspection.

5. **Installation** — neat execution, work-area cleanliness control, and coordination with the facility team.
6. **Testing, Adjusting, Balancing (TAB)** — measuring and tuning airflow, room pressure, temperature, and related parameters.
7. **Commissioning & handover** — system functional testing, operator training, and delivery of as-built documents & manuals.
8. **Maintenance & periodic evaluation** — preventive maintenance, filter replacement recommendations, and performance/energy optimization.

Project transparency

Each stage has quality checklists and documentation, making progress easy to track by facility management, the hospital HSE team (K3RS), and room users.

Quality Standards, Safety, and Compliance for Medical Areas

HVAC work in healthcare facilities requires disciplined compliance and risk-control practices. We implement quality and safety procedures relevant to medical areas and tailor documentation requirements to hospital policies and applicable regulations.

Compliance focus (example: OR & critical areas)

- **Room pressure control** — ensuring airflow direction matches clean/dirty zoning and preventing contaminant migration.
- **Multi-stage filtration** — implementing filter configurations per design, including leak control and hygienic replacement procedures.
- **Cleanliness control during works** — containment areas, housekeeping, dust protection, and work methods for active areas.
- **System reliability** — attention to service access, monitoring, and readiness of critical spare parts (as agreed).
- **Workplace safety** — implementing HSE procedures (work permits, LOTO if required, work at height, PPE).

Area	Critical Controls	Evidence/Documents
Operating Room (OR)	Temperature, humidity, positive pressure, filtration, airflow distribution	TAB/commissioning results, handover checklists
Isolation room	Negative pressure (per design), exhaust control, filtration	Pressure measurements, interlock functional testing (if any)
CSSD/Lab/Pharmacy	Zoning, air cleanliness, operational stability	Parameter documents & maintenance SOPs

Note

Standards references can be aligned with facility policies and applicable regulations. We are ready to follow documentation requirements and audit procedures set by the hospital/clinic.

Portfolio / Sample Project Types

Below are examples of project types relevant to healthcare facilities. Client names, locations, and years can be added as needed and subject to publication approval.

Project Type	Room/Area	Scope	Key Outputs
New build/renovation	OR (1–N rooms) & ante room	Design–Build	Commissioning report, as-built, operator training
Quality improvement	ICU/NICU/PICU	Upgrade & optimization	Parameter stabilization, airflow/pressure improvements
Compliance & audit readiness	Critical areas (CSSD/Lab/Pharmacy)	TAB & documentation	Measurement reports, improvement recommendations
Operational reliability	Sistem AHU/ducting utama	Preventive maintenance	PM checklists, filter replacement schedules, performance logs

Portfolio list

Nama Portofolio Proyek	QR Code
BROS Hospital – Denpasar 2022 Ruang: OK Lingkup: Desain & Instalasi & TAB & PM	
MS GLOW – Tabanan 2021 Ruang: CSSD/Lab/ Farmasi Lingkup: Desain & Instalasi & TAB	
Rumah Sakit Dayaku Raja – Kalimantan 2024 Ruang: OK & Public Area Lingkup: Desain & Instalasi & TAB	
Pusmpem Gianyar Gedung B & C - Gianyar 2025 Public Area Lingkup: Desain & Instalasi & TAB	

Please scan the QR codes above to view a complete photo gallery or videos of those projects. You will be directed to the image gallery section on our website or to our YouTube videos, where you can explore the collection of photos or videos in detail.

Digital Portfolio

To offer a modern, easily accessible digital experience, we have developed a digital portfolio showcasing a collection of images from our most notable projects. These images visualize our work across various healthcare facilities and commercial buildings, highlighting the installation quality and design we deliver, along with videos demonstrating our work process, final results, and client testimonials. These videos provide direct insight into how we execute projects and the impact of our HVAC solutions on healthcare facilities.

- **Access the Image Gallery:** To view the full image gallery and videos, please scan the following QR code. By scanning it, you will be directed to the image and video gallery section on our website, where you can explore the collection in detail.



In this way, we hope to provide a more immersive and informative experience of Jasa Tekindo Persada's capabilities and achievements. Please contact us if you have any further questions or if you are interested in working together.

Closing

We believe that the quality of Operating Room (OR) and critical-area environments is an essential part of clinical service quality. With a precision engineering approach, disciplined execution, and well-organized documentation, Jasa Tekindo Persada is ready to be your HVAC partner—supporting patient safety, medical staff comfort, and compliance with facility standards.

Common collaboration scope

- ☐ HVAC assessment for OR/critical areas (existing conditions & improvement recommendations)
- ☐ Planning & construction/renovation of OR HVAC (design-build)
- ☐ Testing, Adjusting, Balancing (TAB) & commissioning for audit readiness
- ☐ Preventive maintenance programs & service agreements (SLA) tailored to facility needs

Contact us

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