

INDUSTRIAL ENGINEERING · ASSET RECOVERY · RELIABILITY



PT SARANA REKAYASA TEHNIK

COMPLETE ENGINEERING SOLUTIONS — FROM ASSESSMENT TO IMPLEMENTATION

COMPANY PROFILE

Cikarang Timur, Bekasi, Indonesia · Established 2016

Contents

01	Who We Are	09	Engineering Methodology
02	Our Engineering Ecosystem	10	Industries We Support
03	What Makes SRT Different	11	Representative Projects
04	Industrial Asset Recovery Expertise	12	Clients & Partners
05	Engineering Design & Reverse Engineering	13	Quality, Safety & Engineering Standards
06	Precision Manufacturing	14	Future Vision
07	Fabrication & Industrial Installation	15	Contact
08	Automation & Machine Retrofit		

01 — WHO WE ARE

An Engineering Company Built on Technical Understanding

PT Sarana Rekayasa Teknik (SRT) is an Indonesian industrial engineering company founded in 2016 and headquartered in Cikarang Timur, Bekasi — within West Java's core manufacturing corridor. SRT combines engineering analysis with practical industrial execution across technical assessment, reverse engineering, precision manufacturing, fabrication, automation, and machine retrofit.

- Engineering-led, not sales-led — every project begins with technical assessment
- Full-scope capability, from diagnosis through commissioning and reliability support
- One accountable engineering team, not a chain of subcontractors



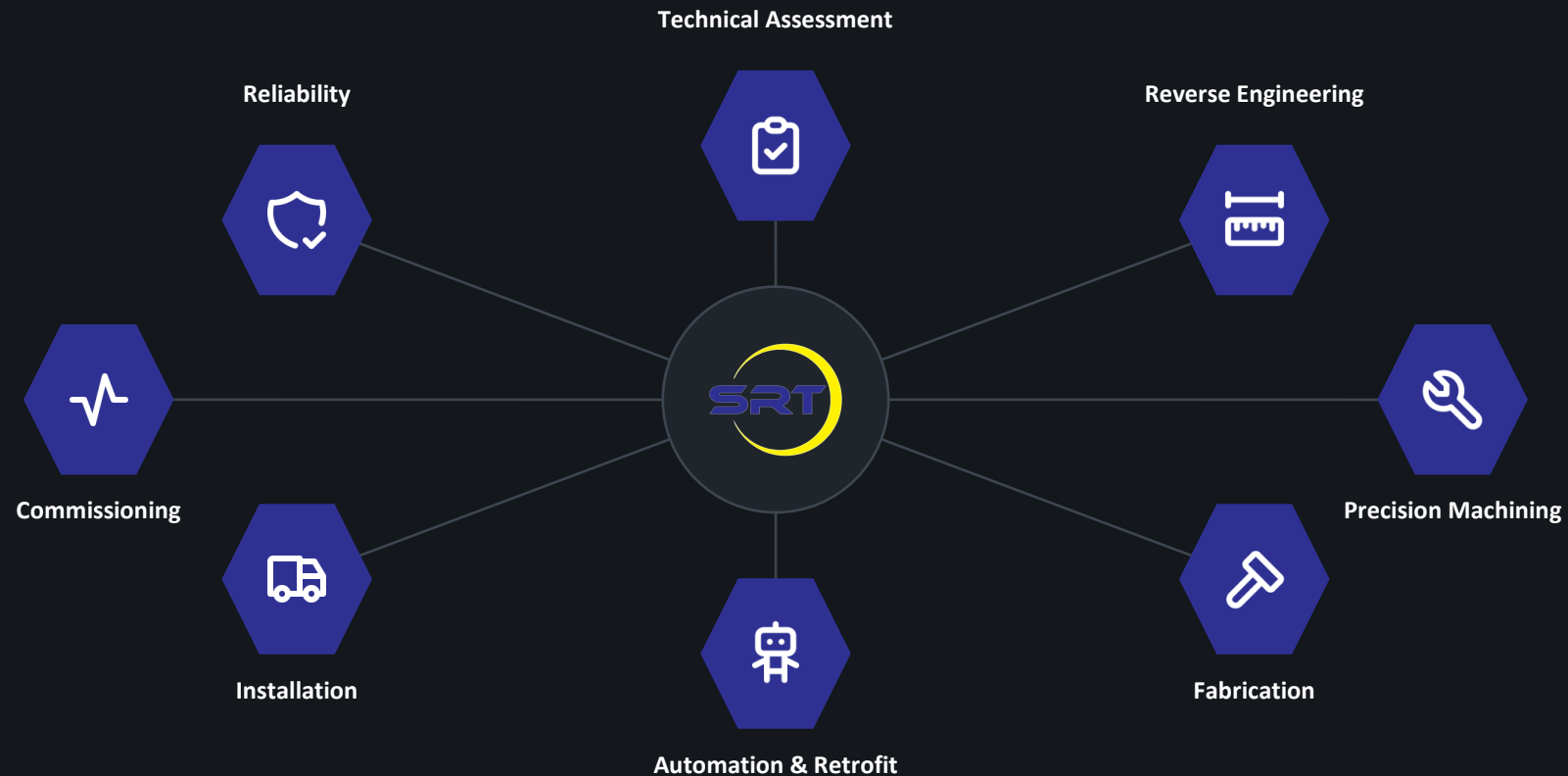
Every engineering solution begins with understanding the machine.

SRT ENGINEERING PHILOSOPHY



One Engineering Process, Eight Integrated Disciplines

Eight disciplines, one accountable engineering process — from first assessment to long-term reliability.



Assessment Before Assumption

Conventional fabrication and repair vendors begin with a quotation. SRT begins with an engineering assessment — root cause analysis and engineering calculation determine scope and method before any component is manufactured.



The assessment capability is the foundation of every engineering project that follows.

Insurance and loss-adjusting assessment experience strengthens engineering rigor — it does not define the company.

Engineering Value Out of Damaged Assets

SRT evaluates industrial assets affected by flood, fire, corrosion, mechanical failure, and electrical failure, then delivers a technically sound, economically justified recovery decision — repair, retrofit, or replace.



Flood



Fire



Corrosion



Mechanical
Failure



Electrical
Failure

- Damage classification and failure analysis precede every recovery decision
- Recovery Cost Estimation (RCE) justifies repair vs. replace on engineering and economic grounds
- Technical documentation supports insurance assessment and loss-adjusting processes



***Recover with Evidence,
Not with Hope.***

Manufacturing Held to Engineering Tolerance



Drawing-Specified Tolerance

Precision machining executed to the fit and tolerance defined on the engineering drawing, not visual approximation.



Dimensional Inspection

Every component is inspected against engineering specification before it is released for installation.



Assessment-Defined Scope

Manufacturing scope is set by the preceding technical assessment — never by assumption.

From Workshop to Site, Under One Engineering Scope

SRT fabricates structural and mechanical components and carries them through to site installation, keeping engineering intent intact from drawing to commissioned equipment.

- Structural and mechanical fabrication to engineering specification
- Site installation and alignment performed by the same engineering team
- One accountable scope from fabrication through installation — no vendor handoff



FABRICATION



INSTALLATION

Extending Machine Life Without Discarding Sound Structure

Legacy production equipment frequently retains a mechanically sound structure long after its control and automation systems become obsolete. SRT retrofits PLC, servo, HMI, and safety systems onto proven mechanical platforms.



STRUCTURE RETAINED

- Frame & structural base
- Traverse & motion components
- Proven mechanical platform



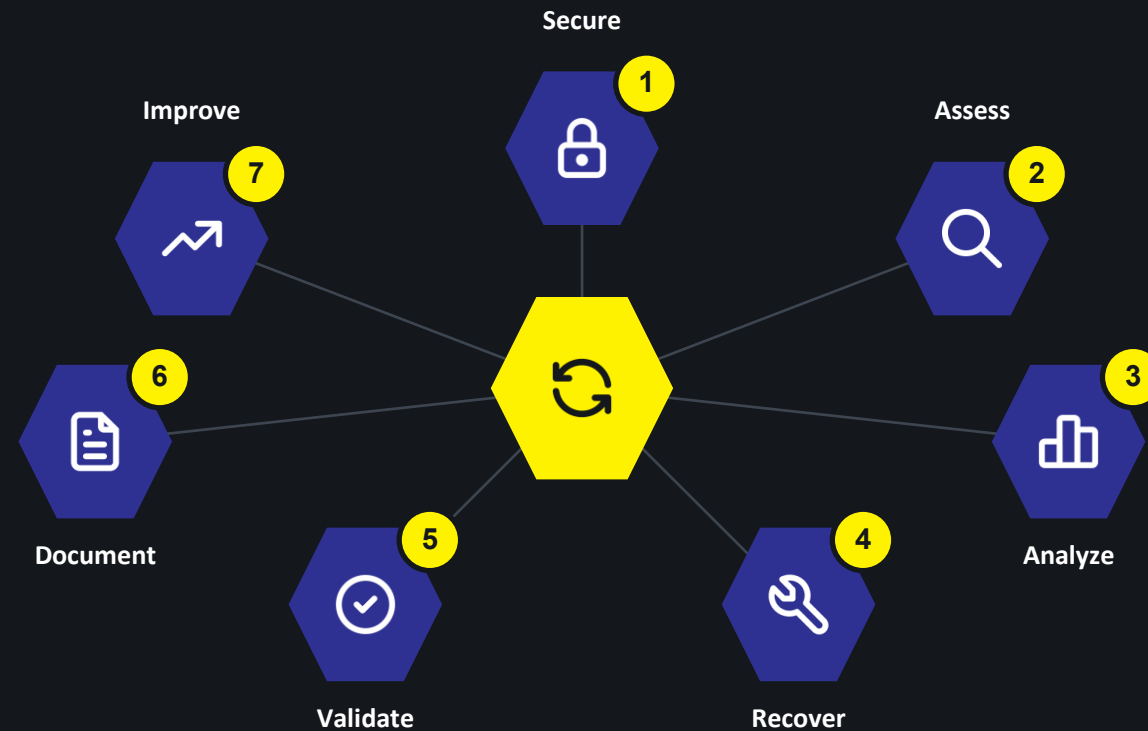
SYSTEMS MODERNIZED

- PLC & servo control
- Electrical panel & wiring
- Safety system to current practice

Engineering assessment determines what is preserved and what is replaced — never assumed. Typical retrofit extends service life by 10–15 years.

SRT-ARM: A Structured Methodology for Asset Recovery Engineering

SRT's proprietary seven-phase methodology turns technical assessment into a validated, engineering-justified outcome.



Engineering Across Indonesia's Industrial Base

SRT applies the same assessment-led methodology across seven core industrial sectors, regardless of equipment type.



Manufacturing
& Automotive



Food &
Beverage



Chemical, Petrochemical
& Plastics



Electronics &
Household Appliances



Textile &
Garment



Warehousing
& Logistics



Power, Utilities
& Generation

Engineering Scope, Demonstrated

AGRO-PROCESSING SECTOR · HALMAHERA BARAT



Continuous Conveyor Dryer Full O&M Engineering Program

EQUIPMENT

ESSAR 3-chain continuous conveyor dryer, 8 ft × 62 ft

SCOPE

29-chapter O&M manual: SOPs, preventive maintenance program, troubleshooting guides, risk assessment, alarm matrix, KPI framework, repair history

BASIS

Built from site data, equipment records, and standardized SRT documentation format

PLASTICS · INJECTION MOLDING SECTOR



30-Year Cartesian Robot Automation Retrofit Engineering

EQUIPMENT

Cartesian pick-and-place robot, manufactured 1997, nearly three decades in service

SCOPE

Mechanical structure retained after assessment confirmed sound condition; controller, servo, electrical panel, and safety system fully modernized

BASIS

Retrofit engineered for 10–15 years of additional service life

Client identities withheld for confidentiality. Full case documentation available on request.

12 — CLIENTS & PARTNERS

Engineered With Globally Recognized Technology Partners

SRT's automation and retrofit engineering specifies components from internationally established manufacturers — giving clients serviceable, standards-compliant systems rather than proprietary, hard-to-support solutions.

ABB

Siemens

Mitsubishi Electric

Omron

HIWIN

PMI

Pilz

SICK

SMC

Airtac

Weintek

SRT's client relationships span manufacturing, agro-processing, and plastics operations across Java and Eastern Indonesia.



Engineering Discipline as Standard Practice

SRT applies its own structured internal standards to every project — from site documentation to workshop safety — ensuring consistent, auditable quality regardless of project size.



STOP Discipline

STOP – Observe – Think – Document – Measure: the discipline applied before any recovery assessment begins.



SRT Documentation Standard

Standardized before / during / after photo and reporting protocol for measurement, inspection, repair, and test records.



Workshop Safety Culture

Safety Before Productivity. Test Before Delivery.
Principles applied on every project, every time.

Building Indonesia's Reference Standard for Industrial Asset Recovery

SRT's long-term direction is to grow into a leading engineering consultancy for industrial asset recovery and reliability — developing standardized methodologies, technical manuals, and engineering knowledge systems the industry can reference and trust.



Standardized Methodology

SRT-ARM applied consistently across every recovery and retrofit project



Structured Training

SRT Academy — building the next generation of recovery engineers



Industry Reference

Technical manuals and methodology built to become a trusted industry reference



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“Every engineering solution begins with understanding the machine.”