- Autonomous Warehouse Automation
- Autonomous Mobile Robots
- EV Electrification Conversions
- Humanoid Industrial Automation

PLAN B



PLAN B ENGINEERING SOLUTIONS

AUTONOMOUS ROBOTIC SOLUTIONS
EV ELECTRIFICATIONS
AI-POWERED INDUSTRIAL SAFETY

Works :#31A/22, North Phase, 4th Cross Street, SIDCO Industrial Estate,
Ambattur, Chennai - 600 098, Tamil Nadu, India. www.planbengineering.solutions

PLAN B

Retrofit. Refurbish. Re-purpose. Recycle.



KEEP YOUR FORKLIFT. CHANGE ITS POWER.

Diesel-to-electric forklift conversion that puts operating economics first.

A practical retrofit pathway for existing industrial fleets.

- LOWER OPERATING COST
- ZERO TAILPIPE EMISSIONS
- REDUCED MAINTENANCE
- QUIETER OPERATIONS
- BETTER OPERATOR COMFORT
- SUSTAINABLE FLEET FUTURE

Electrifying the present, Empowering the Future

https://planbengineering.solutions/

Plan B Engineering Solutions

Why convert an existing forklift?

KEEP YOUR FORKLIFT. CHANGE ITS POWER.



REAL PLAN B CONVERSION WORK

Retain the asset. Upgrade the powertrain.

- ₹ Lower energy spend per operating hour
- ↻ Retain usable chassis and mechanical assets
- ◉ Less engine noise, exhaust and heat exposure
- ⚙ Potentially lower routine powertrain maintenance
- ▣ Tailor battery and powertrain to duty cycle

Five practical benefits for fleet owners

The operating-cost opportunity

ILLUSTRATIVE 3-TONNE FORKLIFT • 8 HOURS/DAY • 365 DAYS/YEAR



DIESEL

₹280.83 / hr

3 L/hr × ₹93.61/L



ELECTRIC

₹48 / hr

4 kWh/hr × ₹12/kWh

POTENTIAL ANNUAL ENERGY SAVINGS

~₹6.80 lakh

~83% lower energy cost

Illustrative energy-cost comparison only; excludes conversion investment, charging infrastructure and other operating costs.
Actual savings depend on measured duty cycle, tariffs and utilization.

Will it suit my operations?

Engineered around the customer’s site

01	**ASSESS THE SITE**	Load capacity, gradients, surfaces and travel distance
02	**STUDY THE DUTY CYCLE**	Shift hours, idle time and peak demand
03	**SIZE THE EV SYSTEM**	Traction motor, controller and battery matched to real duty
04	**INTEGRATE THE VEHICLE**	Steering, braking and hydraulic functions
05	**VALIDATE READINESS**	Charging access and operational availability

WHAT CHANGES — AND WHAT STAYS?

Real forklift conversion work • Scope depends on model, condition and duty cycle

01 RETAIN



Existing mechanical assets

Suitable chassis, axles and serviceable mechanical systems

02 ELECTRIFY



Electric traction powertrain

Replace ICE propulsion with matched motor and controller

03 INTEGRATE



Battery & electrical systems

Install battery, BMS, protection and operator controls

BENEFITS YOUR OPERATORS WILL NOTICE

Electric vs. diesel • An operational perspective

ZERO TAILPIPE EMISSIONS

No diesel exhaust at the worksite

LOWER HEAT EXPOSURE

Less engine and exhaust heat



QUIETER DRIVE

Less engine-related noise and vibration

SMOOTHER RESPONSE

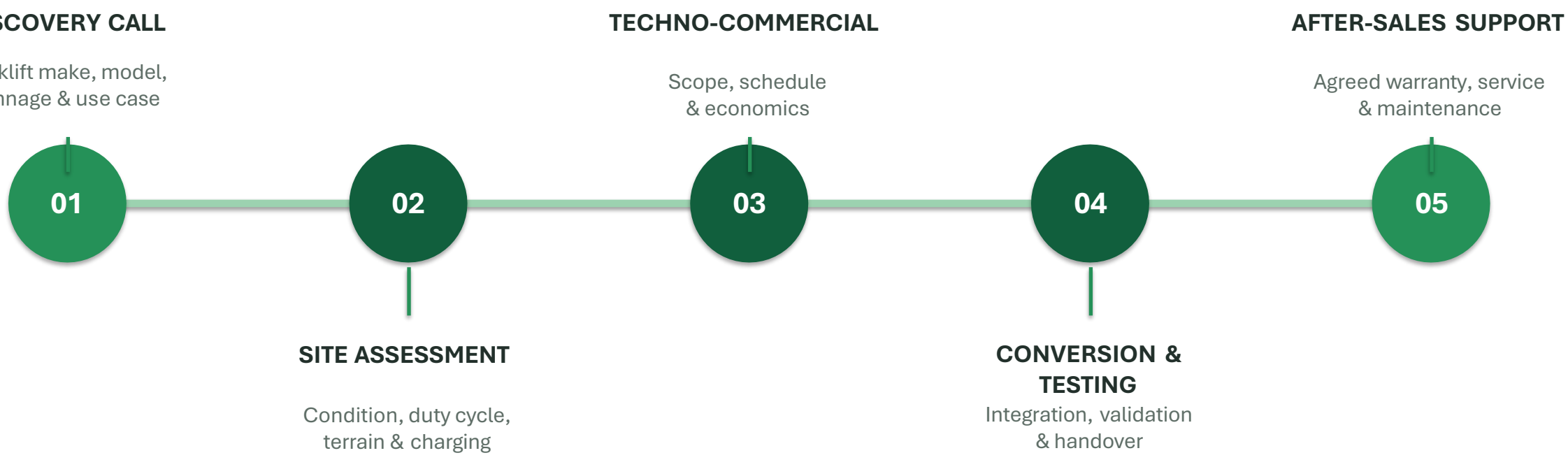
More controllable electric drive

INDOOR SUITABILITY

Better for many indoor operations

OUR CUSTOMER ENGAGEMENT PATHWAY

Clear steps from enquiry to deployment



From the first discussion to dependable daily operation — one accountable conversion partner.

KEEP YOUR FORKLIFT. CHANGE ITS POWER.

THANK YOU

Share your forklift model, capacity, operating hours, fuel and site conditions.

We will assess conversion feasibility and prepare a tailored proposal for your operations.



REQUEST A CONVERSION ASSESSMENT

Contact: +91 90426 20399 | +91 86107 28542

Plan B Engineering Solutions

https://planbengineering.solutions/

Let us get in touch

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