



Design Philosophy

Skyjack products are designed and engineered to be easy to service and maintain. By keeping design simple and using proven technology, the reliability and ease of service is common to all Skyjack products. Skyjack Aerial Work Platforms offer the rental industry's best life cycle value through low cost of ownership, ease of service and maintenance. They retain high residual values.

Common components across model groups are used wherever possible, reducing the number of service parts needed to maintain Skyjack product. The use of "off the shelf" service parts wherever possible, as opposed to custom designs, means that replacing or repairing components is easy and cost effective.

ACCESSORYZERS™

SPEEDYREACH™

SKYCODED™

EASYDRIVE™

AXLDRIVE™

SKYRISER™

Skyjack is a globally operated company. The images contained in this publication illustrates a variety of configurations and non-standard options. For more information on configurations and options in your region please go to www.skyjack.com or consult your local representative.

Productivity and Utilization

Maximizing productivity is fundamental to any business. Your customers demand it of you and you demand it of us. Meeting your needs for equipment that is capable of surviving in the rental industry is fundamental to our design philosophy.

Skyjack is proud to offer the Industry's first standard 2 year full "bumper to bumper" warranty on aerial work platforms together with a 5 year warranty on structural components for no extra charge...adding to Skyjack's industry leading product life cycle value. To further increase confidence and maintain residual value Skyjack offers optional extended warranties.

Your equipment fleet is only working when it is out on rent. That means your business is providing the maximum return when equipment time spent in the workshop is minimized:

- Robust steel construction – strong, durable and easy to repair.
- Excellent accessibility to all major components so that maintenance and service routines reduce turnaround times.
- Relay based control systems which are easy to troubleshoot and repair using commonly available components means equipment uptime is maximized.
- No complicated and expensive computers or can-bus systems which require a PC to diagnose.
- Standard color coded and numbered wiring across the range reduces troubleshooting time and gets the equipment back on rent faster.

- Common components across model groups are used wherever possible – 80% of recommended service parts across the range are common— reducing stock holding needs.
- "Off the shelf" components as opposed to custom designs, means that replacing or repairing components is easy and cost effective.
- Replaceable modular platform railings reduce costs.



Return On Investment

The priority of equipment rental companies is to secure the best return on investment with respect to their equipment purchases. Acquiring the right equipment for your business is not just about product specification and performance.

Skyjack products are specifically designed for the equipment rental industry and that focus has allowed us to offer a range of products that provide the industry's best life cycle value through:

- Competitive acquisition costs.
- Consistently high residual values mean disposal costs are minimized.
- A reputation for robustness and reliability so that equipment uptime is maximized.
- Customized financial solutions allow programs tailored to your unique needs.
- Reconditioning services extend life cycle and increase return on investment.



Versatility

Having equipment with features and functionality that allow you and your customers to do more is a vital part of the utilization equation. The following pages show individual product and range features that provide increased versatility.

In addition, Skyjack offers a range of accessory products to further expand the product's adaptability and your ability to offer a truly flexible rental choice.

swing out component trays

superior positive traction and terrainability

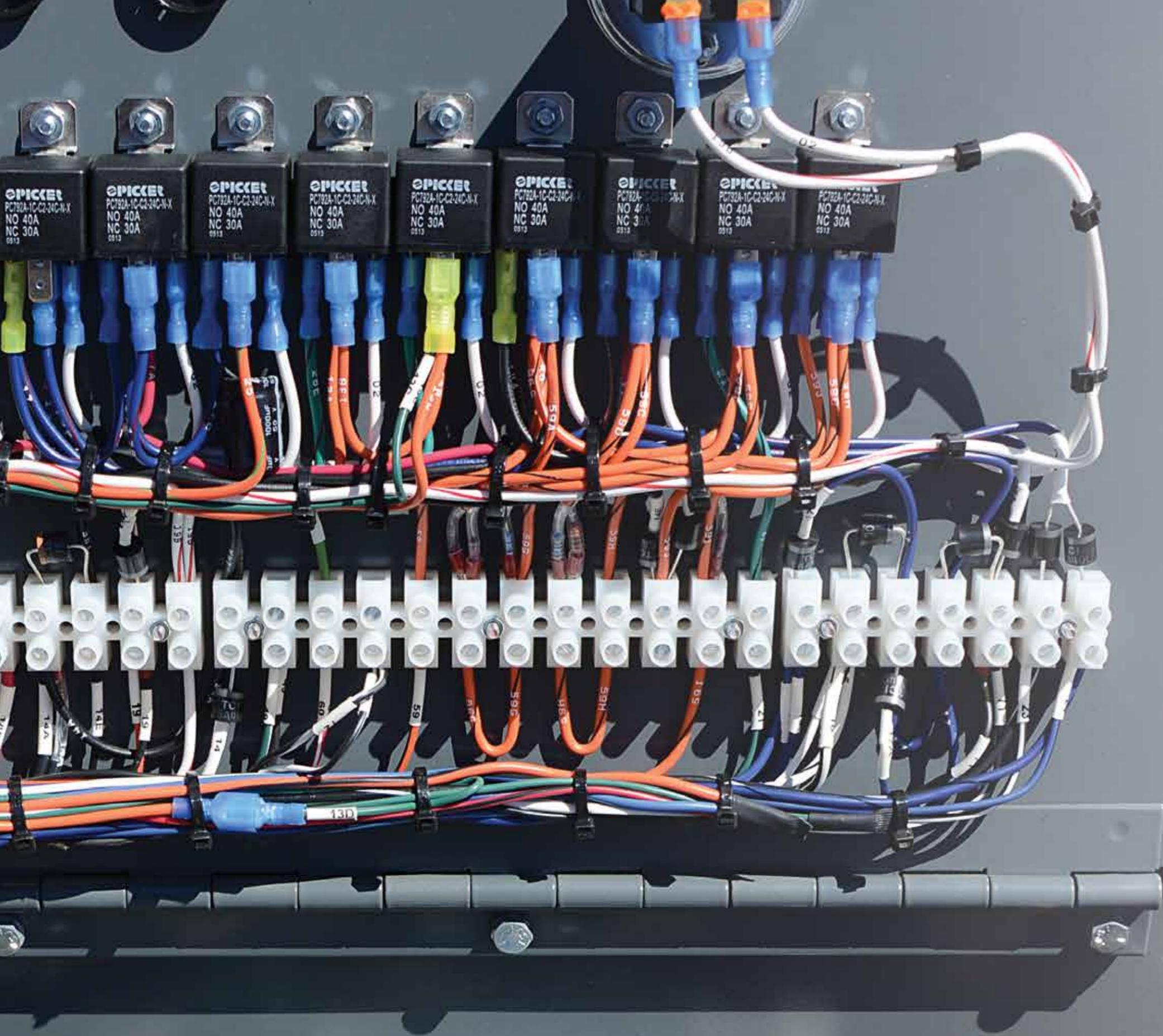
standard color coded wiring

industry leading warranty

easy engine access axle based four wheel drive

roll out engine compartments





At the heart of every Skyjack machine, proven and simplistic control systems using Skyjack's color coded and numbered wiring system make our machines the easiest to troubleshoot and repair (No multiplex or Can Bus components).

For example, Black #14 represents the lift function on a scissor lift and similarly represents the lift function on a boom lift. Using a relay based control system allows Skyjack AWP's to operate with less expensive components - less maintenance and lower costs.

VERTICAL MAST LIFTS

Skyjack's Vertical Mast Lifts offer an easy to service, low maintenance design in a compact and versatile package. These are zero emission, compact machines with low floor loading which means they can be used in more applications, including on finished and ornamental floors increasing your customer base.

- A motor controller increases proportionality and improves battery life by adjusting the speed of the 24 Volt DC motor and output from the hydraulic gear pump.
- Front wheel hydraulic drive with 90 degree steering gives a zero inside turning radius.
- Can operate with confidence in the smallest of spaces and in close proximity to sensitive and valuable equipment.
- A spring "coil" type control and power cable ensures reliable operation.
- The cylinder can be removed without disassembling the mast and chain mounts are easily accessible for inspection.
- Pothole protection helps minimize tip over hazards.
- Low stowed platform height allows easy step in entry and exit from platform.
- Tie down lift lugs for easy transportation.
- Up to 30% gradeability.



SKYCODED ACCESSORYZERS

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1 UPPER CONTROLS

- Clear, intuitive, easy to understand.
- All aluminium construction, durable toggle switches, operator horn and emergency stop button.
- Robust joystick, with enable trigger and thumb steer provides full proportional drive control.
- Protective bar protects against inadvertent operation.
- Detachable for extra security and interchangeable with similar units.



2 MAST

- The single hydraulic lift cylinder with a chain and pulley system provides a smooth and fully synchronized lift.
- The inverted telescopic mast, with large overlaps, provides solid operator feel while preventing debris ingress. This reduces exposure to internal damage and equipment downtime.
- Easy view hour meter.



3 PLATFORM

- Robust and rigid all steel platform with non-slip checker plate floor.
- Unrestricted view when drive position with mast behind operator is used.
- Self closing swing gate option provides for ease of access for operator and materials.
- Lanyard attachment points provides fixed attachment points at railing posts.
- Modular railing design allows for easily replacement if sections are damaged, avoiding unnecessary platform costs.
- Easy access to batteries and all electric and hydraulic components even when platform is in a fully lowered position.

4 LOWER CONTROLS

- Easy to understand, two handed operation, using key and rotary switches.
- Manual lowering system allows platform to be lowered from base in case of emergency or for servicing.
- Parking brake release valve and hand pump allow towing on level ground.
- Key switch and lockable battery disconnect, fully disables operation for enhanced security.



1 TRAVERSING DECK

- Traversing deck Increases "effective" work area and provides "up and over" capability with no weight penalty.
- The decks roller design gives smooth and easy, long term operation.
- Allows easy access to service hatch and base components for reduced service time.
- Power outlet on platform readily available for tools.

2 POWER

- 4 x 6 volt 220ah batteries, with quick fill caps for easy inspection and filling.
- A universal battery charger, which automatically adjusts to the applicable voltage and frequency.
- Clear polymer hydraulic tank allows operator to easily check fluid levels.
- A slide away platform provides excellent accessibility to all major components. This means that maintenance and serviceability reduce turnaround time.

3 MANEUVERABILITY

- No mast restrictions for steering linkage provides 90 degree and Zero inside steering radius for more job site accessibility.
- Low Gross Vehicle Weight (GVW) and full sized non-marking tires give reduced ground pressure.



DC ELECTRIC SCISSOR LIFTS

Skyjack's reputation for simply reliable product was born out of its compact and conventional DC Electric Scissor Lifts. These are the world's top selling aerial work platforms—1 in 3 sold is a Skyjack.

- Steel swing out trays with heavy duty hinges and latch provide easy access on both sides for motor; pump; hydraulics; electrical panels and batteries.
- Can be driven fully elevated in both indoor and outdoor applications on firm level ground.
- Automatic "smart" battery chargers with multi-voltage and dual frequency capacity prevents overloading and prolongs battery life.
- International input power standardization for all applications.
- Tilt alarm with drive and lift cut out alerts the operator that the unit is off-level.
- All motion audible alarm alerts bystanders of machine movement.
- Emergency manual lowering system.
- Self deploying pothole protection helps minimize tip over hazards.
- Tie down lift lugs and forklift pockets aid in loading, securing and transportation.
- Lockable master battery disconnect switch prevents unauthorized use of unit when locked.

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1**DC MOTOR CONTROLLER OPTION**

We have taken the proven control system technology used in the SJ12 and SJ16 vertical masts and applied it to our range of DC scissors Skyjack has successfully produced a machine that provides...

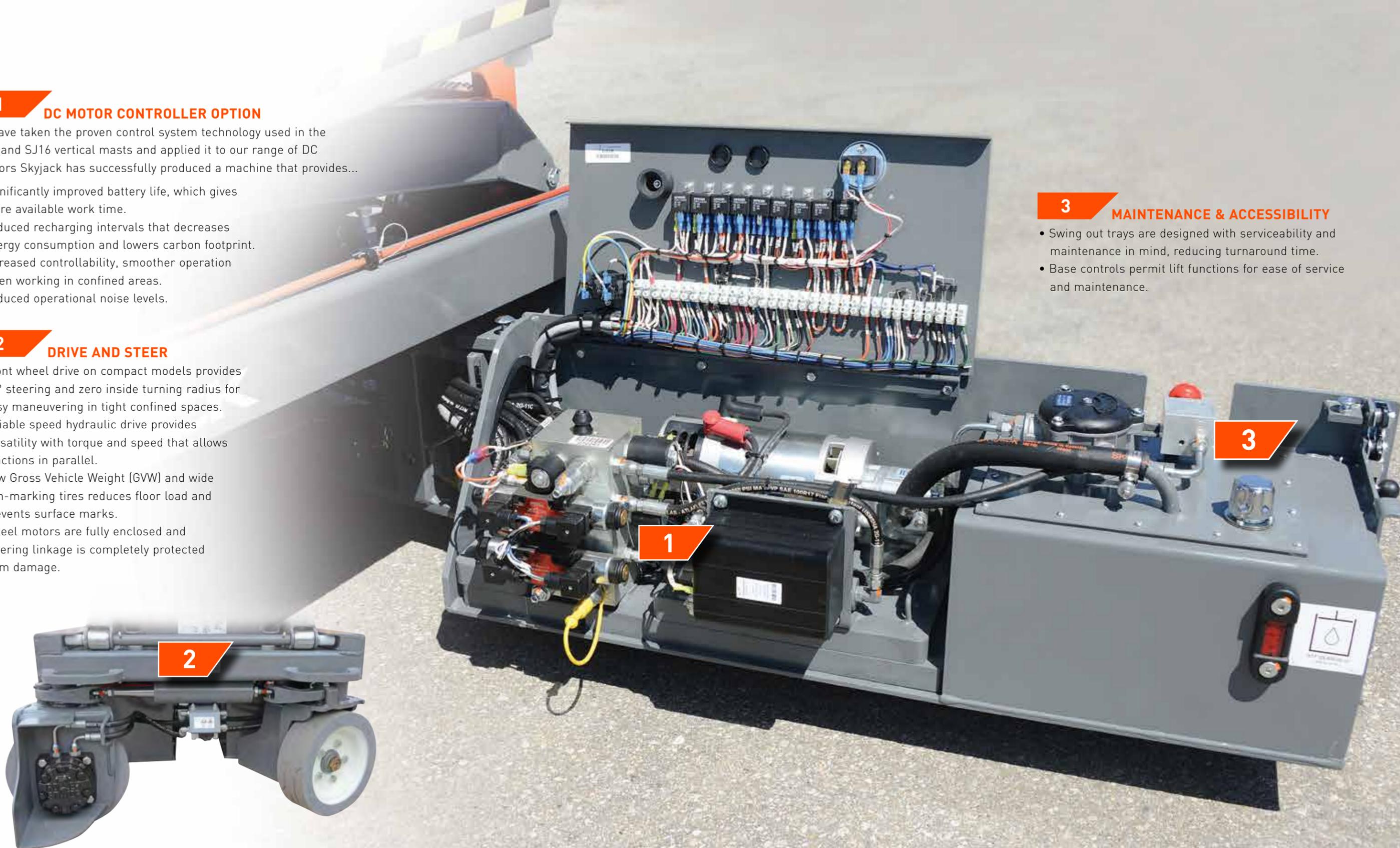
- Significantly improved battery life, which gives more available work time.
- Reduced recharging intervals that decreases energy consumption and lowers carbon footprint.
- Increased controllability, smoother operation when working in confined areas.
- Reduced operational noise levels.

2**DRIVE AND STEER**

- Front wheel drive on compact models provides 90° steering and zero inside turning radius for easy maneuvering in tight confined spaces.
- Variable speed hydraulic drive provides versatility with torque and speed that allows functions in parallel.
- Low Gross Vehicle Weight (GVW) and wide non-marking tires reduces floor load and prevents surface marks.
- Wheel motors are fully enclosed and steering linkage is completely protected from damage.

3**MAINTENANCE & ACCESSIBILITY**

- Swing out trays are designed with serviceability and maintenance in mind, reducing turnaround time.
- Base controls permit lift functions for ease of service and maintenance.



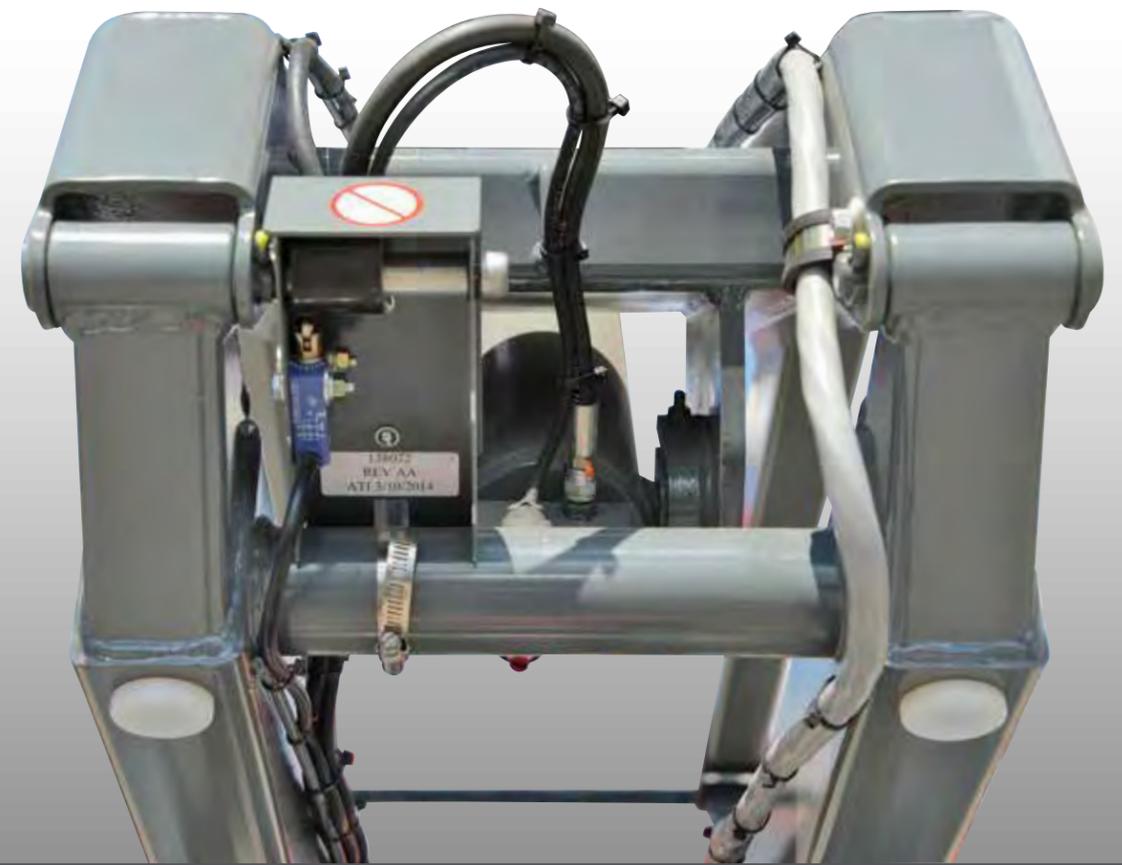


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SCISSORS

- Heavy duty steel tube scissor arms with welded cross member bracing provides strength and rigidity for comfortable operation in the platform.
- Unique clevis design scissor ends, lower stress and increase rigidity by distributing loads symmetrically over the pins.
- Dry bushings on scissor arms are maintenance free with no lubrication requirements which reduces maintenance costs.
- Zinc plated pivot pins minimize corrosion and eliminate the need for lubrication, while retainers are used to prevent pin rotation for longer life.
- Cylinders are trunnion mounted for easy access and removal for service.
- Electric holding valves on lift cylinder prevents descent in case of line failure.
- Swing down support holds scissor arms open for maintenance and repair work.

1



1 PLATFORM

- All steel construction with diamond checker plate floor provides permanent anti-slip surface.
- Easy to use roll out extension decks increase work area and provide excellent "up and over" capability.
- Hinged railing system (optional on some models) reduces stowed height and allows the unit to pass through standard doorways.
- Power cable to platform provides power source for tools requiring electricity and eliminates hanging cords.
- Lanyard attachment points provide fixed attachment points at railing posts.

2 UPPER CONTROLS

- Joystick enable with trigger and thumb steer provides full proportional controls for smooth operation and maneuverability.
- Clear, intuitive, easy to understand.
- All aluminium construction, durable toggle switches, operator horn and emergency stop button.
- Protective bar guards against inadvertent operation.
- Detachable for extra security and interchangeable with similar units.





ELECTRIC ROUGH TERRAIN SCISSOR LIFTS

Known as an industry leader in scissor lifts for decades, Skyjack continues to specify its machines for class-leading rough terrain performance. The ability for the unit to operate indoors and outdoors mean this rough terrain scissor lift can be the first machine on site and the last off...increasing your utilization.

- Maintenance costs and time are reduced due to the elimination of air filters, fuel filters, oil filters, oil changes, belts, coolants, etc associated with internal combustion engines.
- The first electric scissor lift in its size with 45 percent gradeability and crossover symmetrical four-wheel drive as standard, means the machine can operate on almost all job sites.
- Foam-filled non-marking tires as standard, near-zero noise levels and zero emissions make the transition from outdoor to indoor jobs easier than ever.
- The tightest turning radius and most compact dimensions in its class provide unmatched maneuverability on site.
- The range-extending genset option adds versatility, allowing it to be reliably used at green field construction sites with no AC power, or when multiple shifts do not allow sufficient down time to complete a standard charging cycle.

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POWERTRAIN FEATURES

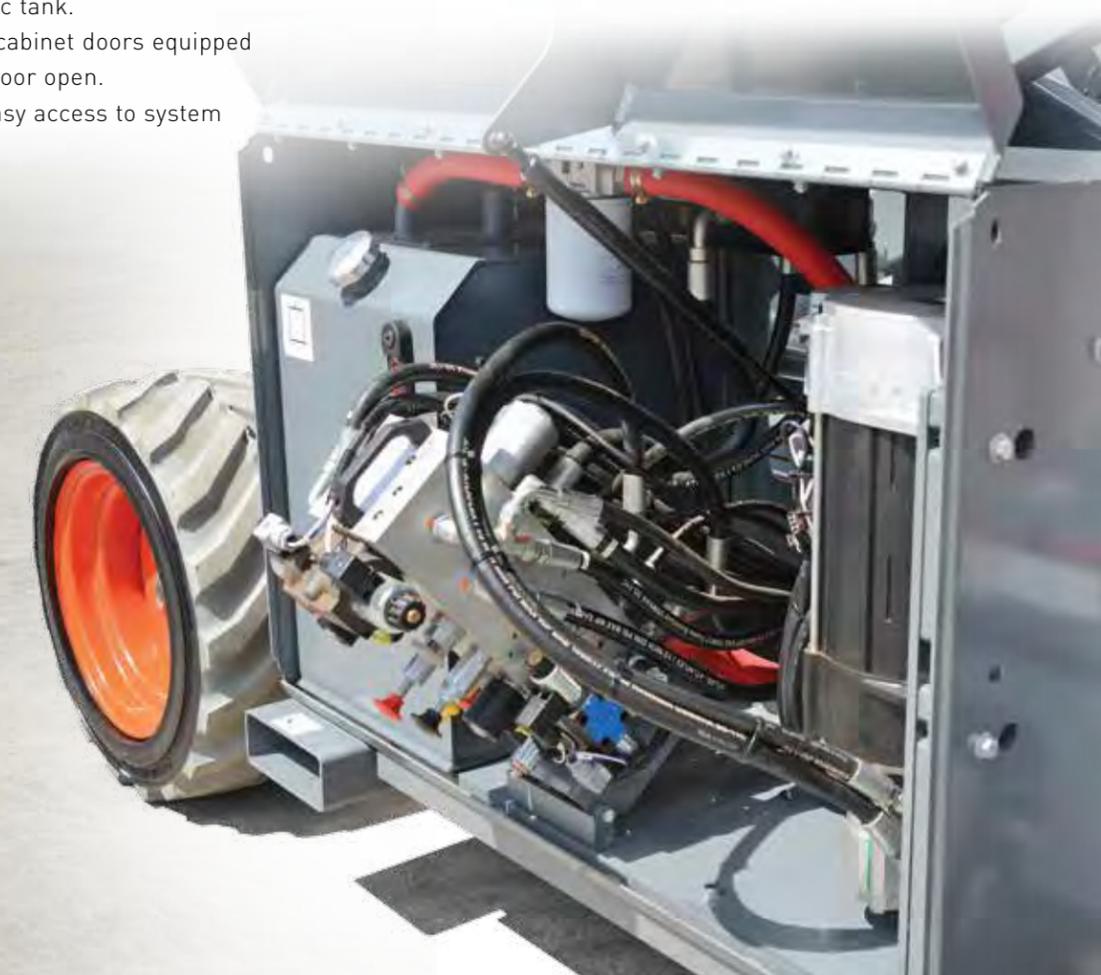
- Full symmetrical crossover 4 wheel drive provides best possible positive traction, even with one wheel off the ground. This industry leading terrain capability means your customer can use the Skyjack rough terrain in the most challenging of conditions.
- Robust and reliable, with no vulnerable hydraulic components or hoses under chassis and excellent on site manoeuvrability.
- Spring applied hydraulic released brakes, prevent unwanted movement.



2

CABINET DESIGN

- Convenient tilt out hydraulic manifold.
- Large capacity hydraulic tank.
- Robust steel swing up cabinet doors equipped with gas strut to hold door open.
- Complete, quick and easy access to system components.



1

SMART BATTERY CHARGER

- Multi voltage, multi frequency smart battery charger displays real time information on supplied voltage, amp hours replenished and charging status.



2

LOWER CONTROLS

- Easy to understand, two handed operation,
- Manual emergency lowering cylinder mounted override valves, with separate manual lower valve for direct operation.
- Parking brake release valve and hand pump allow towing on level ground.
- Key switch and lockable battery disconnect, fully disables operation for enhanced security.



3

BATTERY POWER

- With 250Ah capacity, the standard battery pack provides ample power for a typical work day. The optional 330Ah AGM battery pack provides up to 35% more duty cycles per charge while greatly reducing maintenance requirements.



SJ6832 RTE

1 HYBRID POWER PACK

As a versatile machine with “first in, last out” capabilities, the SJ6832 RTE is designed to operate at a variety of job sites, including ones with no line power available. Featuring a powered generator integrated with the Skyjack controls, the available Hybrid Package provides on-board power to recharge the battery pack, even while the machine is working.

The system also shines at job sites running multiple shifts: Where a conventional electric machine would not have sufficient downtime to complete a charge cycle, a SJ6832 RTE with the Hybrid Package can work and charge while maintaining productivity.

For ease of use, the operator can set the system to automatic mode, whereby the generator will start and provide seamless battery charging when the operating charge reaches 50%. Manual modes allow the generator to be disabled for indoor use, or manually activated to keep the batteries topped up in a high drain application.

1



ELECTRIC RT

HYBRID POWER

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ROUGH TERRAIN SCISSOR LIFTS

- Compact models feature cross over symmetrical four wheel drive that delivers the maximum torque to all wheels for traction, making them ideal for typical job site conditions.
- Mid and full size models feature axle-based four wheel drive systems with a 'detroit locker' type rear differential and a limited slip front differential. This provides improved performance, durability and traction making them suitable for even the most demanding job sites.
- Extension decks that both maximize the productive work areas and 'up and over' capabilities to reach over obstacles.
- Impressive platform capacities which can handle combinations of large loads and multiple personnel, maximizing productivity.
- Independent/ auto-leveling outriggers (standard or optional depending upon model) allows use on rough and uneven ground conditions.

AXLDRIVE™

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1 AXLDRIIVE™

Skyjack's mechanical "axle based" drive system gives positive traction and excellent rough ground "terrainability" using locking and limited slip front differentials. Featured on Skyjack full size and mid size rough terrain scissors, this industry leading terrain capability means your customer can use Skyjack rough terrain scissor lifts in the most challenging conditions.



2 SYMMETRICAL 4X4

- Skyjack compact rough terrain scissor lifts utilize a unique full symmetrical crossover 4 wheel drive system, which provides the best possible positive traction, even with one wheel off the ground, and can climb up to a 50% grade.
- No vulnerable hydraulic components or hoses under chassis and excellent on site manoeuvrability.
- Spring applied hydraulic released drive line brake, prevents unwanted movement.
- Foam filled "Lug Grip" tires maintain inflated profile even when punctured.



3 POWER

- Water cooled diesel engines provide all the power required and meet current emission requirements.
- Optional hydraulic powered AC generator provides a self-contained power supply for autonomous operation.
- Hydraulic system features return filtration to ensure oil cleanliness.



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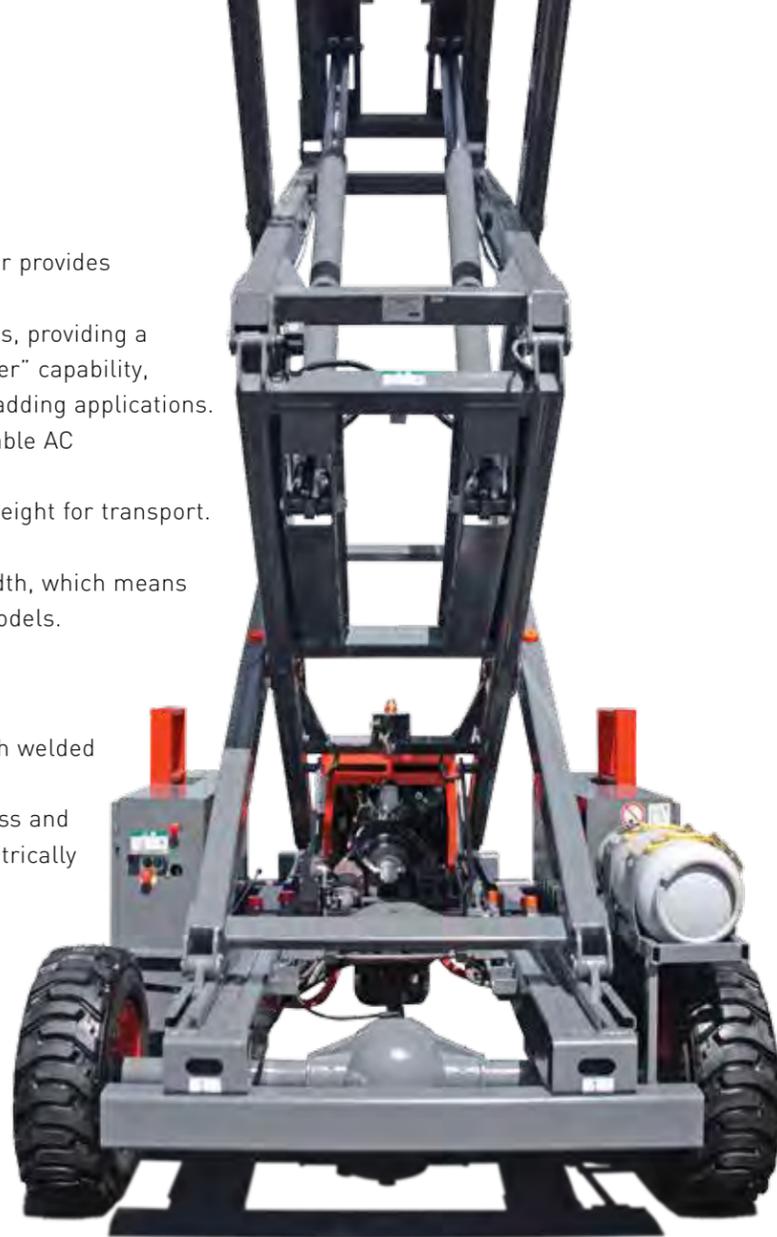
PLATFORM

- All steel construction with checker plate floor provides permanent anti-slip surface.
- Single and Dual roll out steel extension decks, providing a large working area with excellent "up and over" capability, leading to increased productivity-ideal for cladding applications.
- Integral power cable to platform with applicable AC connections eliminates hanging cables.
- Fold down rails reduces the overall stowed height for transport.
- Dual powered extension decks available.
- Platform side rails are closer to machine width, which means less reaching and easier work on full size models.

2

SCISSORS

- Extra wide heavy duty steel scissor arms with welded cross member bracing enhance stability.
- Unique clevis design scissor ends lower stress and increase rigidity by distributing loads symmetrically over the pins.
- Trunnion mounted lift cylinders allow quick removal for service.



3

CHASSIS

- Independent or fully automatic self-levelling outriggers are available which allows use on rough and uneven ground conditions.
- Robust steel cabinets located on each side have wide opening doors, housing all major components.



ROUGH TERRAIN

PROVEN RUGGED DESIGN

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3 MAINTENANCE & ACCESSIBILITY

- Powerful and efficient diesel engines on swing out trays (depending on model) and an openly located hydraulic manifold and electrical panel provide excellent access for service.
- Steel cabinets with wide opening doors provide excellent accessibility to all major components.

1 UPPER CONTROLS

- Clear, intuitive, easy to understand.
- All aluminium construction with durable toggle switches, operator horn and emergency stop button.
- Robust joystick with enable trigger and thumb steer provides fully proportional drive control.
- Separate lift/lower switch with enable button, engine start, pre heat, engine speed and high/low torque select switches.
- Detachable for extra security and interchangeable with similar units.
- Protective bar guards against inadvertent operation.



2 LOWER CONTROLS

- Easy to understand, two handed operation, using key and rotary switches.
- Key switch and lockable battery disconnect, fully disables operation for enhanced security.
- Separate parking brake release valve and hand pump allow towing on level ground.



ACCESSORYZERS™

Skyjack offers a full line of accessories to enhance product versatility. These factory-approved accessories are designed to add functionality to your machine and convenience for the operator. Whether it's helping you get materials to the work site, protecting equipment from the weather, or enhancing productivity, Skyjack has the right accessory.

Accessory brochure available online at www.skyjack.com

Professional Productivity

tool tray fluorescent tube carrier

tool caddy light duty pipe and steel stud rack

board/drywall carrier

heavy duty pipe rack **airline to platform**

Dedicated Applications

EE rating aircraft protection package

posi-air shut off cold weather start kit

artic weather package

Tire Options

grip lug air filled tires grip lug foam filled tires

high flotation air filled tires

Peak Performance

enhanced DC motor controller

flashing and dual flashing lights

extended control box cable AC inverter

high capacity batteries AGM batteries

hinged railing system **platform entrance options**

powered extension decks

Bio oil **power deck extension**

hydraulic generator

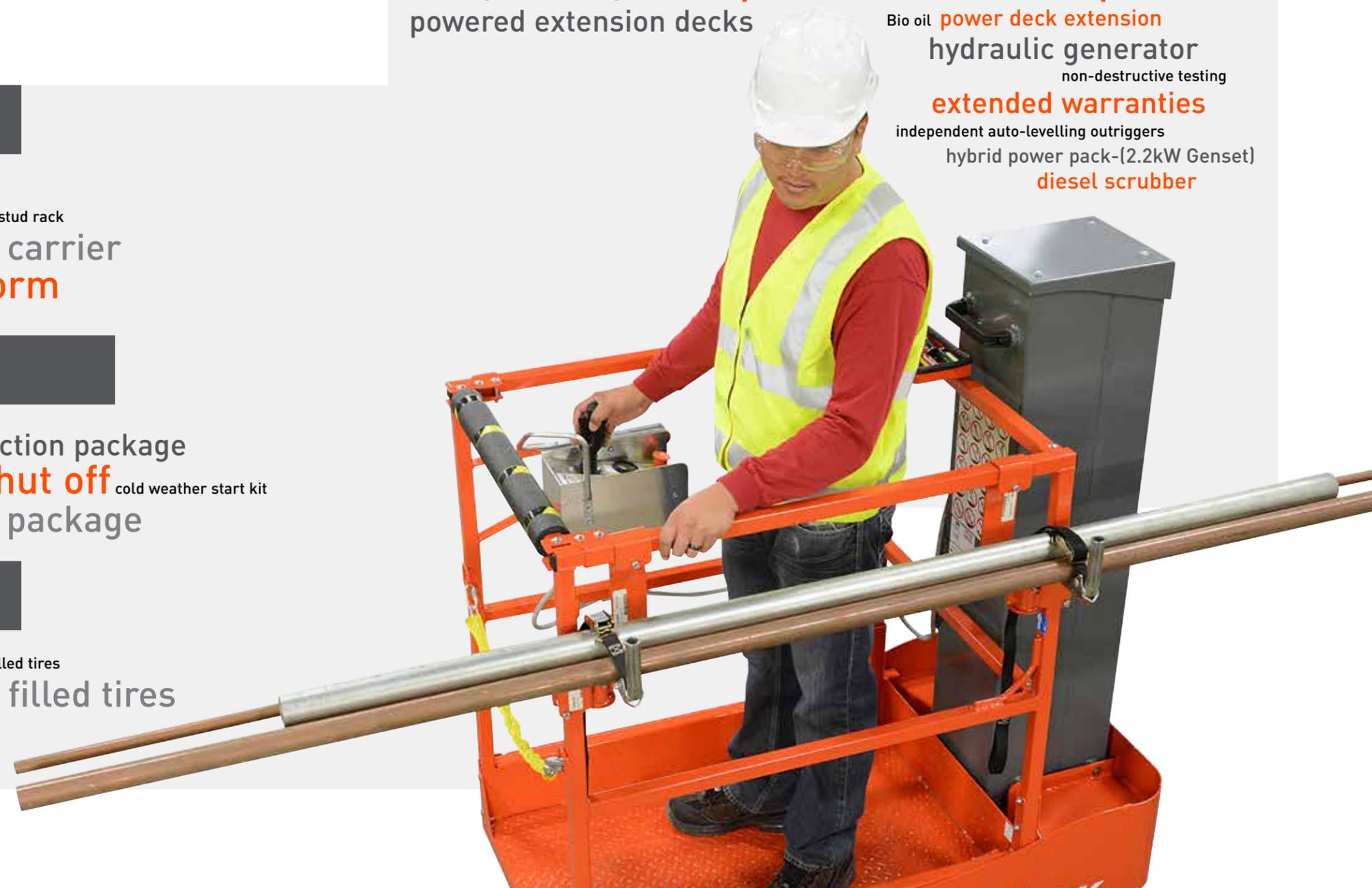
non-destructive testing

extended warranties

independent auto-levelling outriggers

hybrid power pack-(2.2kW Genset)

diesel scrubber



Skyjack Global Locations

Glendale, Arizona—Reconditioning

Gothenburg, Sweden—Sales

Lyon, France—Sales

Ontario, Canada —Headquarters

Howell Michigan—Skyjack Financial Services

Oswestry, United Kingdom—Sales

Sao Paulo, Brazil—Sales

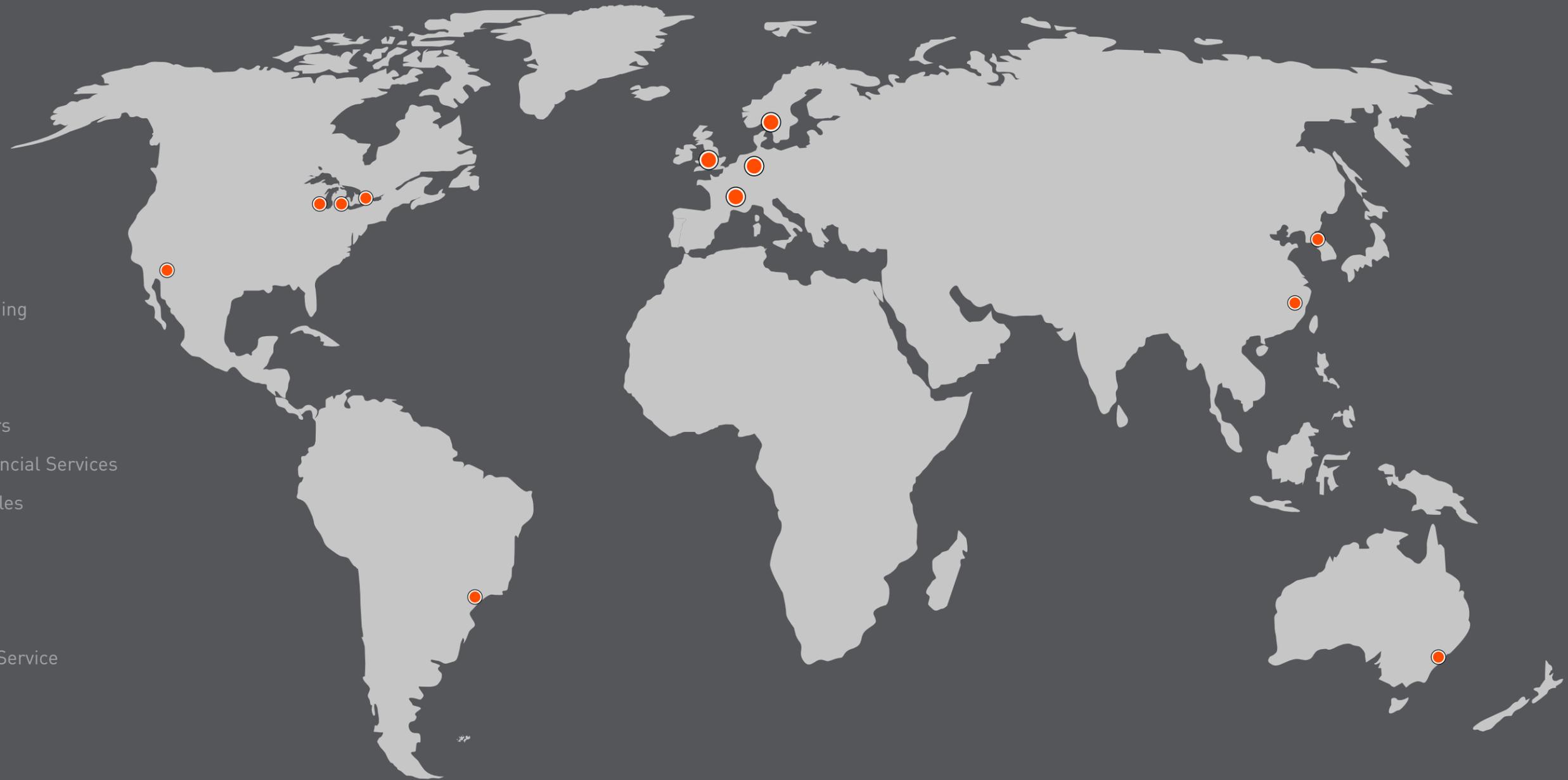
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Shanghai, China—Sales

St. Charles Illinois—Parts and Service

Sydney, Australia—Sales

Witten, Germany—Sales



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