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**Terex Utilities Expands  
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## TUS Contents • June 2023

- PG 4 Terex Utilities Shows Commander Digger Derrick with FLEX PRO Control System
- PG 8 Compact Telescopic Hot Sticks from Hastings Pack Small Yet Offer Big Peace of Mind
- PG 12 Terex Utilities' EV Bucket Truck with SmartPTO Provides Field Proven Green Solutions for Fleet Integration
- PG 18 Terex Utilities Expands Boom Lift Options for Power Substation Maintenance
- PG 24 Ad Index



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## **Terex Utilities Shows Commander Digger Derrick with FLEX PRO Control System**

The Commander and General Series of digger derricks from Terex Utilities are built for long-term reliability with industry-leading work zone capacities. At the 70th Anniversary Electric Utility Fleet Managers Conference, June 4-7, Terex Utilities will demonstrate a Commander 4047 with new FLEX PRO controls.

FLEX PRO is an optional control system that is available in any combination of consoles, dual joystick command post or radio controls. The control system supports below rotation controls like a corner mount swing away operator console, plug and play radio controls, dual command post joystick controls and other advanced operating features.

"FLEX PRO combines the reliability and simplicity of Terex's standard hydraulics with a state-of-the-art control system," said Joe Caywood, Director of Marketing. "This smart system uses a controller area

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network (CAN) to communicate with the control stations and offers the flexibility to configure specifically to the utility line crew's needs."

"This option complements everything you expect from a Terex® digger derrick, such as strong work zone capacities and a high strength box-beam boom design boasting strength and rigidity in an efficient package," said Caywood. Terex digger derricks also feature dual hydraulic lift cylinders with trapezoidal design that stabilizes the boom during digging and rotation.

With the addition of FLEX PRO controls, operators of Commander & General digger derricks have features that allow toggling between slow and fast modes for precise function control.

Diagnostic information is displayed in several locations for easy access to troubleshoot electrical issues, and hydraulic overload or over temp warnings give operators greater insight into operational status.

"Terex was the first in the industry to introduce a mechanical digger derrick back in 1945. The Commander Series was first introduced in 1966 and since then has been continuously improved to what many customers refer as the workhorse of their fleets. This new optional control system complements the product line," added Caywood.

A wide variety of augers, designed for various types of soil conditions, further contributes to increased productivity on the jobsite. In addition, augers with interchangeable heads are now available. "We recommend the Bullet Tooth Augers for rock applications and the TX Series Augers for dirt or cobble conditions," said Greg Adler, Regional Account Manager for Auger Tooling. "Terex also offers a Hollow Kelly Bar that is designed to allow the screw anchor to be inserted directly into the kelly bar and eliminates the need for a heavy screw anchor adapter – saving time and increasing productivity."

For more information on Terex® Digger Derricks, visit [www.terex.com/utilities](http://www.terex.com/utilities) •

#### *About Terex*

*Terex is a global manufacturer of materials processing machinery and aerial work platforms. We design, build and support products used in construction, maintenance, manufacturing, energy, recycling, minerals and materials management applications. Certain Terex products and solutions enable customers to reduce their environmental impact including electric and hybrid offerings that deliver quiet and emission-free performance, products that support renewable energy, and products that aid in the recovery of useful materials from various types of waste. Our products are manufactured in North*

*America, Europe, Australia and Asia and sold worldwide. We engage with customers through all stages of the product life cycle, from initial specification and financing to parts and service support.*

#### *About Terex Utilities*

*Terex Utilities is a leading global manufacturer of aerial devices and digger derricks for the electric utility industry and offers service and parts support across North America. Terex Utilities is a business group within the Terex Aerial Work Platforms Business Segment of Terex Corporation.*

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## Compact Telescopic Hot Sticks from Hastings Pack Small Yet Offer Big Peace of Mind

As a worldwide manufacturer of hot line tools and equipment, Hastings knows that energy work requires nimble response times and the ability to work with tools on the fly. Designed to be efficiently stowed and ready at a moment's notice, Hastings' Compact Telescopic Hot Sticks are ideal for emergency and everyday use.

Available in 20- and 30-foot models, the retractable hot sticks feature 9 extendable sections made in a triangle shape enabling each section to lock in automatically. Sections can be removed or added to adjust the overall length when fully extended.

Weighing 9.1 pounds, the 20-foot version retracts to 43 inches when not in use. The 30-foot version retracts to 57 inches and weighs 12 pounds. These compact hot sticks can fit behind the seat of a truck, in the trunk of a car, or in a crowded utility vehicle with limited space.

Despite their small size and lightweight construction, these hot sticks feature the dependability and durability that Hastings hot line tools are known for. Each hot stick has a fluorescent green tip for high visibility and a foam core.

For additional information about Hastings' Compact Telescopic Hot Sticks, visit page 103 of Hastings' online catalog or search for products 320 and 330.

Since 1959, Hastings has pioneered the design and fabrication of hot line tools to withstand today's toughest field conditions. With a passionate commitment to innovation, Hastings' products make the job safer and easier.

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# Terex Utilities' EV Bucket Truck with SmartPTO Provides Field Proven Green Solutions for Fleet Integration





When Terex Utilities introduced the industry's first all-electric bucket truck in 2022 and the HyPower™ SmartPTO by Viatic in 2019, it represented more than just leading-edge technology. These are field-proven solutions that improve the work environment and present opportunities for electric utilities to meet their sustainability goals. Both will be on display at the 70th Anniversary Electric Utility Fleet Managers Conference, June 4-7.

The Terex Optima 55 ft aerial device, powered by the HyPower™ SmartPTO by Viatic, is mounted on an International® Class 6 Medium Duty electric chassis. "We are committed to helping utilities find the right fit for medium and heavy-duty fleet integration of electric or hybrid powered bucket trucks," said Joe Caywood, Director of Marketing.

While utilities are striving to reach net-zero carbon emissions goals over the coming years, some as early as 2030, there are other reasons to consider SmartPTO or the EV Bucket Truck, including health and safety reasons,

reduced operating costs, ease of maintenance, and reliability. An improved work environment means worker exposure to toxic gasses is reduced or eliminated, fuel cost savings are realized, and the job site is quieter. "Customers have commented on all the benefits of quiet operation – being able to easily communicate between the crew on the ground and in the bucket and having a normal conversation, without yelling over the diesel motor," said Caywood.

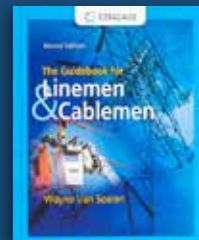
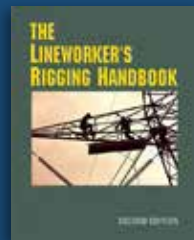
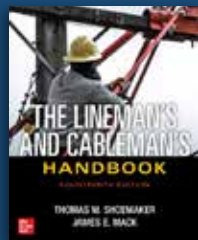
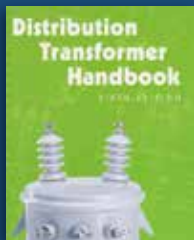
"The Terex EV bucket trucks have been going into service and operating in most regions of the US and Canada since last year," said Caywood. "Customers are using the all-electric bucket truck to complement their current fleet. We're finding that range anxiety truly exists, and in order to alleviate this, we developed this solution so that it provides the maximum chassis range while powering the aerial separately." The SmartPTO provides 28 kWh to operate the boom and all other hydraulic functions for a full workday. It does not take away range because it does not draw power from the chassis batteries.

"We've found that customers who are experiencing the greatest success have a clear understanding of their routes, duty cycles, engaged all stakeholders early on - especially the crews; and developed a plan to access charging to get the benefits of running EV bucket trucks," added Caywood

HyPower SmartPTO is simple to install and can be integrated on most equipment. It powers the primary unit and auxiliary functions, lights and optionally the cab A/C. Operators can easily switch from engine to SmartPTO. Eliminating excessive engine idling reduces emissions and lowers engine-related

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expenses. The SmartPTO is available on Hi-Ranger and Optima aerial devices and Commander and General digger derricks. "This is a great option for those fleets not quite ready to switch over to the all-electric solution," added Caywood.

"Terex Utilities has actively worked with Viatec since 2019, and our parent company became the lead investor in Viatec last year. This field-proven system is delivering sustainable, profitable solutions for utilities of all sizes," said Caywood.

#### *About Terex*

*Terex is a global manufacturer of aerial work platforms and materials processing machinery. We design, build and support products used in construction, maintenance, manufacturing, energy, minerals, and materials management applications. Terex products and solutions enable customers to reduce their environmental impact including electric and hybrid offerings that deliver quiet and emission-free performance, products that support renewable energy, and products that aid in the recovery of useful materials from various types of waste. Our products are manufactured in North America, Europe, Australia and Asia and sold worldwide. We engage with customers through all stages of the product life cycle, from initial specification and financing to parts and service support. . More information about Terex is available on its website: [www.Terex.com](http://www.Terex.com), and on its LinkedIn page -- [www.linkedin.com/company/terex](http://www.linkedin.com/company/terex) and Facebook page -- [www.facebook.com/TerexCorporation](http://www.facebook.com/TerexCorporation) .*

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# Terex Utilities Expands Boom Lift Options for Power Substation Maintenance



Terex Utilities will introduce a Terex® Z-60 Substation Utility Boom (SUB) concept at the 70th Anniversary Electric Utility Fleet Managers Conference, June 4-7. This concept vehicle will be used to assess the market need through a series of field tests throughout the year.

“This 60 ft class insulated mobile elevated work platform (MEWP) is based on a Genie Z-60 FE and will be an expansion of our SUB product line, joining the Z-45 SUB, which was first introduced in 2021,” said Robert Hasegawa, Product Manager. “Since the Z-45 SUB’s successful launch, customers have expressed an interest in taller MEWPs, as well as hybrid options for use in substations.”

The Z-60 SUB is designed for substation work and other applications where an insulated device is needed, and an articulating z-boom is a more effective option than bucket truck. Examples include working in tight areas where a trucks footprint is too large or applications where a higher level of boom articulation is needed. Its dielectric features isolate the boom tip from the chassis ground, reducing the need to perform boom tip bonding.

Featuring a fiberglass fly jib section and fiberglass platform with swing gate, the Z-60 SUB complies with ANSI A92.2 standard for Category E insulating rating of 20 kV. The standard fiberglass platform comes with floor grating and optional cutouts for increased visibility and water egress. The platform capacity is 500 lbs, with a 2-person occupancy.

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Based on the Genie Z-60 FE, the Z-60 SUB is hybrid-powered, assisting utilities in their goal of achieving sustainable fleets. It has two modes of operation. In all-electric mode, the unit can work a full shift on a single battery charge. In hybrid mode, it has more than a week's worth of run time with a single tank of diesel. The hybrid system automatically senses if the batteries need to be charged and will use the 24 HP diesel engine and powerful generator to recharge the batteries. This system will charge depleted batteries to 80% in approximately 4 hours. The unit can also be charged using 120v wall power. In addition, it uses regenerative braking to recover energy that is in turn used to recharge batteries.

"Both the hybrid-powered and all-electric modes allow operators to experience the benefits of lower noise

pollution and less exposure to exhaust at the worksite," said Hasegawa. "Better yet, operators will experience better communication during the workday, without having to yell over a diesel motor."

At 8 ft 2 in wide, the Z-60 has an 18 ft 8 in outside turning radius, 24 ft 3 in up and over clearance, and working range that takes the platform 10 ft below grade. Dual parallelogram and fully proportional controls enable precise positioning, which is further enhanced with a 5 ft jib that has vertical rotation of 135°. Full-time active oscillating axle help maintain traction, while 45% gradeability and 13 in ground clearance improve maneuverability in rough terrain.

For more information on Terex® Substation Utility Booms, visit [www.terex.com/utilities](http://www.terex.com/utilities) •

#### About Terex

*Terex is a global manufacturer of materials processing machinery and aerial work platforms. We design, build and support products used in construction, maintenance, manufacturing, energy, recycling, minerals*



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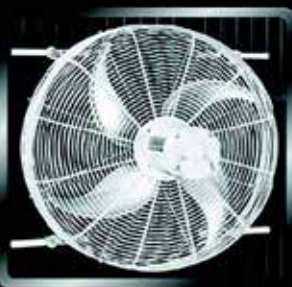
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## About Terex Utilities

Terex Utilities is a leading global manufacturer of aerial devices and digger derricks for the electric utility industry and offers service and parts support across North America. Terex Utilities is a business group within the Terex Aerial Work Platforms Business Segment of Terex Corporation.

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## SERVICE & REPAIR

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## Ad Index

| Company                              | Pg.    | Website                                                                          |
|--------------------------------------|--------|----------------------------------------------------------------------------------|
| Alexander Publishing                 | 14     | <a href="http://www.alexanderpublishing.com">www.alexanderpublishing.com</a>     |
| Brooks Brothers Trailers & Equipment | 3      | <a href="http://www.brooksbrothertrailers.com">www.brooksbrothertrailers.com</a> |
| Brown Bear Corp                      | 21     | <a href="http://www.brownbearcorp.com">www.brownbearcorp.com</a>                 |
| Conduit Repair                       | IFC    | <a href="http://www.conduitrepair.com">www.conduitrepair.com</a>                 |
| Cool Shirt                           | 1      | <a href="http://www.coolshirt.com">www.coolshirt.com</a>                         |
| Critter Guard                        | 20     | <a href="http://www.critterguard.com">www.critterguard.com</a>                   |
| Emars                                | 15, 16 | <a href="http://www.emarsinc.com">www.emarsinc.com</a>                           |
| Essex Steel                          | 17     | <a href="http://www.essexsteel.com">www.essexsteel.com</a>                       |
| Huskie Tools                         | 7      | <a href="http://www.huskietools.com">www.huskietools.com</a>                     |
| JCL Energy                           | 23     | <a href="http://www.jcl.energy">www.jcl.energy</a>                               |
| Jeffrey Machine                      | BC     | <a href="http://www.jeffreymachine.com">www.jeffreymachine.com</a>               |
| Krenz Vent                           | 22     | <a href="http://www.krenzvent.com">www.krenzvent.com</a>                         |
| LANshack                             | 24     | <a href="http://www.lanshack.com">www.lanshack.com</a>                           |
| Maddox Transformer                   | IBC    | <a href="http://www.maddoxtransformer.com">www.maddoxtransformer.com</a>         |
| Mobile Desk Solutions                | 5      | <a href="http://www.mobiledesk.com">www.mobiledesk.com</a>                       |
| Resa Power                           | 19     | <a href="http://www.resapower.com">www.resapower.com</a>                         |
| Rome Plow                            | 11     | <a href="http://www.romeplow.com">www.romeplow.com</a>                           |
| Sellick                              | 2      | <a href="http://www.sellickequipment.com">www.sellickequipment.com</a>           |
| Sky Hook                             | 9      | <a href="http://www.skyhookmfr.com">www.skyhookmfr.com</a>                       |
| The Utility Expo                     | 10     | <a href="http://www.theutilityexpo.com">www.theutilityexpo.com</a>               |
| Working Concepts                     | 22     | <a href="http://www.safeworker.com">www.safeworker.com</a>                       |



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