

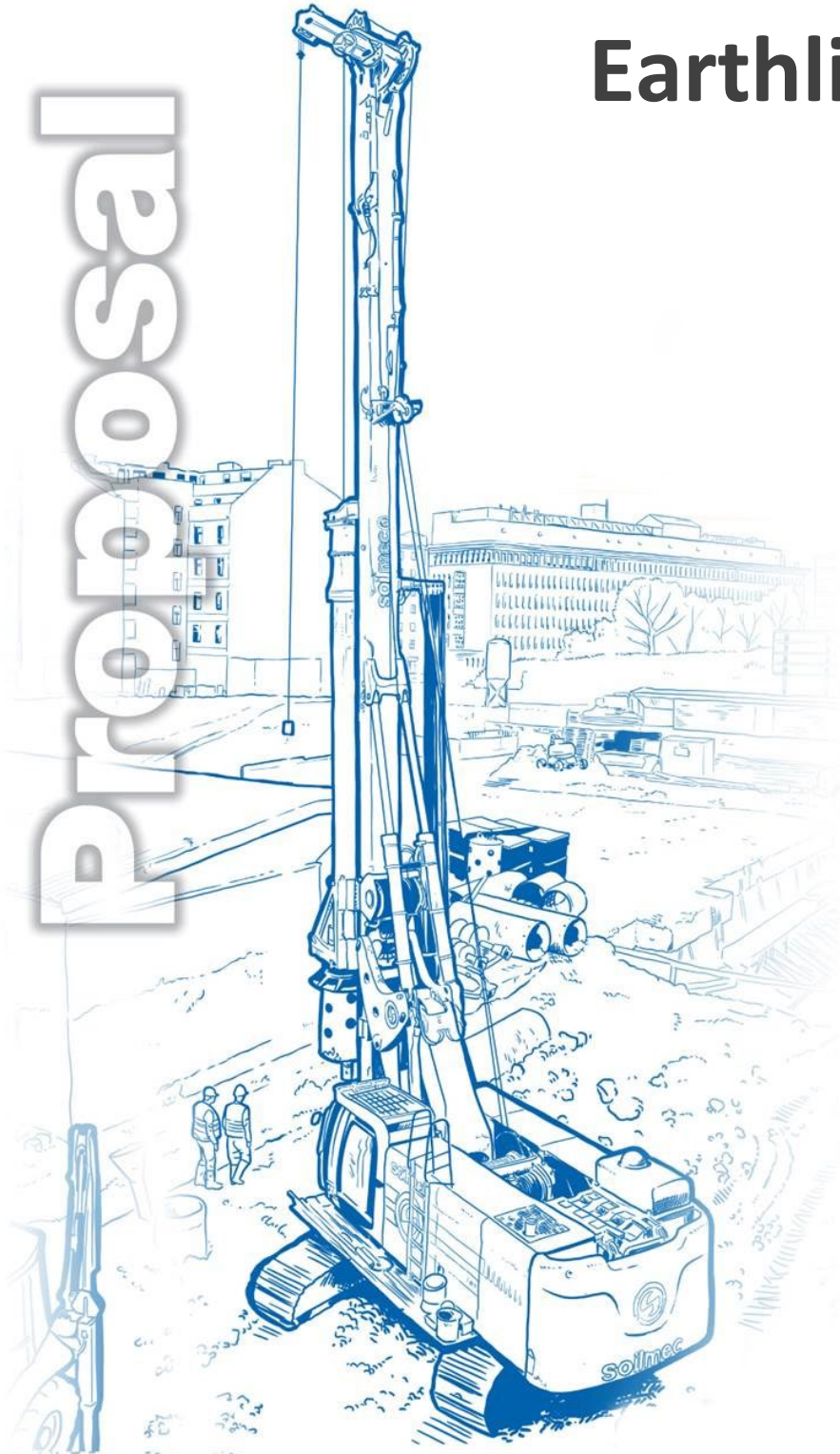


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Proposal for:

Earthline Foundations

Proposal



Prepared for:
Jerry VanKooten

Prepared by:
Jeff Calow

Quotation Number: SR2020-07

Original Quote Date: 01/20/20

Expiry Date: 02/10/20

January 20, 2020
Quote #: SR2020-07

Earthline Foundations
160 Admiral Boulevard
Mississauga, ON
L5T 2N6
647-446-1448
jvankooten@elfoundations.ca

Dear Mr. VanKooten,

We are pleased to present the following:

Soilmec SR-65 WCS

We at Selix Equipment Inc. thank you for this opportunity.

We are pleased to submit to your attention our offer for the supply of equipment in subject as per our technical specifications as follows:

1. Technical offer
2. Commercial offer
3. Sales conditions

Please feel free to contact us for any additional information and/or further clarification you may need.

Yours sincerely

Jeff Calow
Technical Sales – Foundation Equipment
Mobile – 647.532.1416
Email – jcalow@selix.ca

SR-65 HYDRAULIC DRILLING RIG

EVOLUTION LINE: especially designed to offer you the best performance in LDP and CFA technology.

ITEM A BASE MACHINE: TIER 4F – STAGE V

UNDERCARRIAGE 1

Especially designed for heavy duty applications that require low ground pressure which reflects in a better turning capability and less ground disturbance. The undercarriage mounted on Soilmec rig allows to reduce maintenance costs and downtime in your job site. Maintenance-free crawler track.

Type:	<i>Telescopic side frames</i>	
Overall width (retracted side frames):	<i>2980 mm</i>	<i>(117,3 in)</i>
Overall width (extended side frames):	<i>4500 mm</i>	<i>(177,1 in)</i>
Track shoe width:	<i>700 mm</i>	<i>(37,5 in)</i>
Track shoe type:	<i>triple grouser</i>	
Ground pressure:	<i>0,1 MPa</i>	<i>(14,5 psi)</i>
Gradeability:	<i>63%</i>	
Chain tensioning device:	<i>included</i>	
Mechanical attachment for casing oscillator:	<i>included</i>	

DIESEL POWER UNIT **1**

Diesel Engine unit model:	<i>Cummins L 9</i>
Emission certification:	<i>EU stage V / US EPA Tier 4F</i>
Aspiration:	<i>turbocharged and charge air cooled</i>
Rated power @ 2100 rpm:	<i>272 kW (365 Hp)</i>
Sound pressure level in cabin:	<i>77 dB(A)</i>
Guaranteed sound power level:	<i>106 dB(A)</i>
Auto low idle system:	<i>included</i>

HYDRAULIC SYSTEM **1**

Main pumps flow:	<i>2 x 294 l/min</i>	<i>(2 x 56,5 US gal/min)</i>
Third pump flow:	<i>160 l/min</i>	<i>(42,3 US gal/min)</i>
Auxiliary pumps flow:	<i>42 - 23 l/min</i>	<i>(11,1 – 6,1 US gal/min)</i>

UPPER STRUCTURE **1**

The Soilmec-own turret enables operation in restricted space thanks to its small swing radius.

All winches are mounted inside the main structure to allow a direct view from operator's cabin.

Swing ring for 360° rotation with double row ball bearing, external teeth and planetary gearbox.

The special shape of design allows to reduce transport cost thanks to possibility to transport kelly bar Ø 406 mm on the rig without any disassembling operations.

Width:	2980 mm	(117,3 in)
Tail swing radius:	3750 mm	(163,4 in)
Counterweight	7500 kg	(16534 lb)
Additional counterweight	1100 kg	(2425 lb)
Fuel tank capacity:	500 l	(132,1 US gal)
Hydraulic oil tank capacity:	600 l	(158,5 US gal)
Operator cabin type:	Soilmec H-Cab	
Electric refueling pump:	<i>included</i>	
Electric oil loading pump:	<i>included</i>	
Tools box:	<i>included</i>	
Rearview mirrors:	<i>included</i>	
Acoustic alarm for translation:	<i>included</i>	
Sound proofed canopies:		yes
Wiring harness solution with quick-fit connector:		yes

Easy access to all the main components in order to reduce maintenance time and costs thanks to a smart design of all space inside the turret.

OPERATOR'S CABIN

By assessing the specific application and listening properly to the wishes and requirements of the operators, Soilmec provides the optimal operator cabin for comfort. Ergonomic seat with air suspension, fully adjustable, lumbar support air management, as well as lines of sight, quality and safety are standard aspects considered during the design of the right configuration for the cabin.

Cabin width:	1050 mm	(41,3 in)
Sliding door:	included	
Courtesy lights:	included	
Lighting system in front of the cab:	yes	
Joystick for all drilling operations:	2	
Air conditioning system and climate control unit:	included	
Radio player with USB aux port:	included	
FOPS (Falling Object Protective Structure):	compliant	
Protective grilles:	included	
Lower grid:	included	
Windscreen wiper:		included
Awning:		included

ELECTRONIC INSTRUMENT AND CONTROL DEVICES IN BASE MACHINE

GSM / GPRS / WIFI Modem:	included
Depthmeter device on main winch:	included
Electronic inclinometer on X/Y axis:	included
Mechanical inclinometer on main mast:	included
PLC processor for electrically actuated functions:	included

MAIN WINCH

Type:	<i>controlled descent</i>
Mechanical system for correct winding:	<i>included</i>
1 st layer line pull:	<i>220 kN (49458 lb)</i>
1 st layer rope speed:	<i>83,8 m/min (274,9 ft/min)</i>
Rope diameter:	<i>26 mm (1,0 in)</i>
Rope layers:	<i>2</i>
FEM classification	<i>M5 – L2 – T5</i>

SERVICE WINCH

Type:	<i>controlled descent</i>
Mechanical system for correct winding:	<i>included</i>
1 st layer line pull:	<i>83 kN (18659 lb)</i>
1 st layer rope speed:	<i>76 m/min (249,3 ft/min)</i>
Rope diameter:	<i>19 mm (0,8 in)</i>
Rope layers:	<i>2</i>
FEM classification	<i>M5 – L2 – T5</i>

ROPE FOR SERVICE WINCH 1

Rope diameter:	<i>19 mm (0,8 in)</i>
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KINEMATIC SYSTEM BETWEEN MAST AND UPPER STRUCTURE 1

The design of mechanism allows to change the working radius and quick rig set-up in safety and security conditions for all person involved in the operations.

MAIN BASE MAST ASSEMBLY (SEGMENTAL TYPE) 1

Base mast suitable for LDP and LHR version.

Modular mast extension kit (from LHR 8,5 to LDP version) 1

To be removed in case of LHR configuration.

LOWER FOLDABLE MAST ELEMENT 1

ROTARY UNIT 1

Type:	<i>variable displacement</i>	
Max nominal torque:	258,5 kNm	(190660 lb ft)
Rated torque:	240,0 kNm	(177015 lb ft)
Maximum drilling speed:	36,8 rpm	
Spin-off system:	yes	
Spin-off speed:	135 rpm	
Inner passage for kelly bar:	406 mm	(16,0 in)
Replaceable drive ribs:	no	

PAINTING 1

Colour: *STD SOILMEC*

Logo: *STD SOILMEC*

USE AND MAINTANANCE MANUAL 1

Language: *in according to EU policy*

soilmec dms® – SOILMEC DRILLING MATE SYSTEM

Electronic system for drilling equipment control, production supervision and fleet management, developed and owned by Soilmec.

DMS ON BOARD



Hi-tech instrumentation on Soilmec equipment designed to improved operations control and automated drilling functions. Multi-language touch screen display in order to show in real time all the operations and performances of the rig. DMS data is stored on a removable USB flash drive for subsequent elaboration and analysis on PC allowing to obtain detailed production reports.

DMS PC



Licensed software that displays and elaborates the data acquired by “DMS Onboard” to generate reports and produce quality assessment results. This reporting tool allows analyzing, processing and printing of production data, while verifying rig performance, controlling usage of raw materials and fuel consumption, tracking operators work shifts.

DMS MANAGER



Soilmec cloud-running application for remote, centralized supervision of the rig fleet, workforce and productivity in real time. Rigs can automatically send real-time geo-location, events, alarms, operation and performance data to cloud server, in order to manage and share all the mission data.

Service activation is subject to “Soilmec DMS Manager 4.0” service terms and conditions.

Soilmec DMS “ON BOARD”

Adjustable DMS monitor inside the operator cab:	<i>High-resolution 12" touch screen;</i>
Recording data kit with removable USB memory:	<i>included;</i>
Data transfer by GSM/GPRS:	<i>SIM card included;</i>
DMS Screen mirroring by WI-FI:	<i>yes;</i>

Soilmec DMS PC

Package type:	<i>Standard;</i>
N. of licenses:	<i>2;</i>

Soilmec DMS MANAGER 4.0

Subscription plan:	<i>START;</i>
Package type:	<i>Standard;</i>
Service term:	<i>12 month from commissioning date;</i>
N. of connected units rig:	<i>1;</i>
N. of named users to access at system:	<i>2;</i>

Optional services included:

Remote view (DMS on board screen visualization):	<i>included and active for 1 year;</i>
Customized notification manager (email/sms):	<i>included and active for 1 year;</i>

ITEM A.1 CE CERTIFICATION

EN16228 COMPLIANCE KIT FOR CE CERTIFICATION 1

Soilmec Spa will issue CE Certification for this drilling rig. The CE compliance kit includes:

- Acoustic alarm for tracking
- Greasing system for rotary cradle
- Led lighting system kit
- Limit switch for rope winding
- Load cell for service winch
- Radio remote control from tramming
- Video camera kit composed by 4 cameras
- Side catwalks on the upper structure
- Side handrails for catwalks

ITEM A.2

CROWD SYSTEM: WINCH CROWD SYSTEM

Maximum pile diameter:	1400 mm	(55,1 in)
Maximum pile diameter without lower mast element*:	3000 mm	(118,1 in)
Maximum pile depth - friction kelly:	77,7 m	(254,9 ft)
Maximum pile depth - locking kelly:	62,3 m	(204,4 ft)
Mast inclination (backward/forward/lateral)	10° / 5° / 5° deg	
Working Radius:	3600 - 4400 mm	(141,7 – 173,2 in)
Operating weight without tool:	65,8 t	(145064 lb)

*rotary stroke should be reduced.

WINCH CROWD SYSTEM ASSEMBLY 1

Type:	Winch	
Stroke:	10000 - 16200 mm	(393,7 - 637,8 in)
Nominal pull down force:	330 kN	(74187 lb)
Nominal pull up force:	330 kN	(74187 lb)
Speeds up:	15,5 - 34 m/min	(50,9 – 111,6 ft/min)
Speeds down:	15,5 - 34 m/min	(50,9 – 111,6 ft/min)

LOWER MAST FOOT ELEMENT WITH PAD 1

Upper rope for winch crowd system 1

LOWER rope for winch crowd system 1

HYDRAULIC COMPLETION KIT FOR SEGMENTAL MAST 1

HYDRAULIC JACK FOR MAST FOOT 1

ITEM B TECHNOLOGY KIT: LARGE DIAMETER PILE

ITEM B.1 COMPLETION ITEMS

(Common items between ECT2 and LDP version)

These items are common between LDP and CFA technology 2th line pull.

Note: Winch crowd system is request for CFA technology 2th line pull

Cathead for LDP/ECT2 version 1

ROPE FOR MAIN WINCH 1

Rope diameter:

26 mm (1,0 in)

ITEM B.2 LARGE DIAMETER PILE BASE KIT

FLANGE FOR CASING DRIVING (UNIVERSAL type) 3 RIBS TYPE 1

Diameter:

1300 mm (51,2 in)

Kelly guide (780 mm - 1030 mm) 1

Fixed on the top of external kelly bar element, it allows the best stability and verticality of the Kelly bar, reducing the wearing of the rotary head and saves downtime.

Kelly swivel, 25 t capacity 1

Kit for fastening kelly bar during transport 1

ITEM B.2.1 TELESCOPIC KELLY BAR: 4x9m ML

TELESCOPIC KELLY BAR 4x9 ML 1

Type: *mechanical locking*

Outer element diameter: 406 mm (16,0 in)

N° of elements and length: 4 x 9 m (4 x 29,5 ft)

Max depth (approx.): 31,6 m (103,7 ft)

Stub: **130 mm** (7,9 in)

ITEM B.3 MAIN OPTIONALS FOR LDP

Machine lifting kit 1

Kit for 1,030 mm interaxis1

Automatic return to the hole 1

Hydraulic cathead folding kit 1

Hydraulic kit for casing oscillator 1

Anti - slack system for main winch 1

Click - click discharge system 1

Load cell for Main winch 1

Automatic greasing system for base machine and kinematics 1

Automatic greasing system for cathead (WCS) 1

Front support for tools 1

Counterweight self-mounting system 1

Dismounting kit for rotary 1

Service rope holder 1

CFA 4th line pull prearrangement 1

Sales Conditions

Delivery Time exw Italy: **Immediate**

Delivery Terms: **FOB ESS Toronto**

Payment Schedule: usual terms

Country of Origin: Italy, European Union

Manufacturer: Soilmec – Italy.

Warranty: SOILMEC Standard Terms of Warranty is 12 (twelve) months or 2000 working hours from the start-up date, for any manufacturing or defective material, consumable excluded. Our warranty is valid for materials and laborship under normal use. SOILMEC shall have no liability for special, indirect, consequential, incidental or other damages arising from any breach of contract or tort.

Quality Control: SOILMEC products are checked according to internal procedures issued in compliance with UNI-EN-ISO 9001-2008 rules.

Quality Assurance System: SOILMEC products are monitored and controlled according to the internal Quality Manual and procedures. Our Quality System is certified ISO 9001-2008 and ISO 14001-2004 by TUV - SUD.

General Conditions: as per attached file

GENERAL TERMS OF SALE CONDITIONS

Introduction

The following general sales conditions regulate the relationship between Selix Equipment Inc. and its Clients (or Buyer) and shall be in effect every time the Buyer signs or sends Selix Equipment Inc. an Order. Selix Equipment Inc. accepts by sending the Buyer an Order Confirmation, or by returning the Order signed for acceptance, or by delivering or making the Product and/or service available, or by beginning the production of the Product or the implementation of the Service. The general sales conditions are therefore an integral part of any supply contract, written order, verbal order and order confirmation regarding the products and/or services provided by Selix Equipment Inc.

Privacy and personal data treatment

The personal data collected are processed under electronic and paper form only for administration-bookkeeping purposes and for contract execution. The data transfer is compulsory and essential for provision of services ordered. The data will be in no way propagated, they may be transferred to third parties only for the execution and proper management of the service as requested by law or contract terms. Owner and responsible for data processing is Selix Equipment Inc whom you may apply to for the exercise of your rights according Canadian laws.

Prices

The sale prices of products and/or services indicated in any Selix Equipment Inc. Price List do not include freight and or taxes. The prices are unit prices and expressed in Canadian dollars. Prices are subject to increase without written notice.

Quotations

The prices, included in our price list and/or quotations prepared by our sales department are issued according to what is indicated in the Price List. The prices indicated in the written quotations, sent by mail, e-mail, fax or delivered by hand, are valid up to the date explicitly stated in the quotation. Selix Equipment Inc. reserves the right to review or change the stated/quoted prices due to any unforeseen price variation change due to supply problems or fluctuations of exchange rates. The Vendor shall in any case inform the Buyer, who has the right to cancel the Order. The availability of the product is as agreed to in the quotation but can be delayed due to unforeseen circumstances.

Orders

The Orders can be sent to Selix Equipment Inc. in various ways: by mail, e-mail, or fax. Verbal and telephone orders are also accepted. In any case, our sales staff will draw up an internal order with an order number. The Order describes the products, the quantities, the prices, the services, any special requirements, sales conditions, invoicing, terms of payment, transportation, delivery, and whatever else the customer deems necessary to identify on the order in order to avoid any possible misinterpretation. The Orders are binding for Selix Equipment Inc. only if accepted in writing and according to the Selix Equipment Inc. order acknowledgement. Moreover, according to a particular product requirement, the Order can include other supply conditions. These conditions accompany and complete these general sales conditions and are an integral part of the Order made by the Buyer.

Order confirmation

Only if the Buyer specifically requests it, Selix Equipment Inc. undertakes to send this order Confirmation, or to return the Order signed for acceptance.

Order cancellation

The Buyer can withdraw from an order by informing Selix Equipment Inc. via fax, email, phone or through registered letter with return receipt no later than 7 (seven) days from the order date itself or 2 (two) days from the receipt of the order confirmation (if foreseen). Otherwise, the Customer shall have to pay for the entire amount of the order to Selix Equipment Inc.

Payment

Terms and procedures of payment are mutually agreed upon between the Vendor and the Buyer. The payment must be made according to the agreed upon terms and conditions. Regular customers shall pay according to the terms and modalities currently used. New customers should contact our accounting or sales department to agree upon terms of payment. Late payments will be subject to an interest amount laid down by our accounting department and stated on our invoice.

Supply conditions

Delivery term

Goods are shipped FOB our warehouse Ottawa Ontario, freight charges extra, unless otherwise specified in writing.

Packing

Our standard packaging is included in the sale price. For more details or special packaging requests please contact our sales department.

Transport

The type of transportation (land, sea or air) must be specified in the order. Transportation costs are always charged to the customer. However, the Buyer/Customer may request his own transportation and the amount is charged directly by the carrier to the Buyer. Prior written agreement between the parties, the Vendor shall take care of transportation for the Buyer, without however shouldering any responsibility and after the total amount of the expenses has been agreed upon. Additional transportation costs shall be directly charged on the invoice. Goods always are shipped at the risk of the Buyer even if freight is prepaid. Selix Equipment Inc. cannot be held responsible for delayed delivery of the Product on behalf of carrier, nor can it be held responsible for direct or indirect damages due to late delivery on its behalf of the ordered Product. Damaged goods caused by freight are the responsibility of the Buyer.

Delivery time

Delivery times shall be given to the Buyer when the Order is accepted based on the availability from our warehouse and/or from our supplier. These terms must however be considered not binding for Selix Equipment Inc. which can confirm or change them, according to its actual needs. Any delays in deliveries of less than 30 (thirty) days do not give the Customer the right to refuse the Product, nor demand compensations for damages or any indemnities. Particular delivery conditions and terms must be first agreed upon between the Customer and Selix Equipment Inc. and accepted in writing.

Warranty

The warranty is valid for 12 months from the date of shipment. Any defective parts shall be repaired or replaced free of charge. The warranty does not include responsibility for direct or indirect damages to people, animals and/or things, caused by incorrect use or maintenance, and is limited to manufacturing defects only. Repair under warranty is subject to compliance with the installation, use and maintenance instructions contained in the instruction manual supplied along with the product. The warranty is considered void in case of any modifications or tampering with the product, even if limited. When requesting the warranty/repair of the product during the warranty period, please supply the information in the identification label, serial number of the product and our sales order or Buyer purchased order number. All possible information relating to the problem shall be conveyed to our staff prior to commencing warranty procedures.

Possible non-conformity of the Goods

Any complaint regarding defects, i.e. the quality of the Products, must be made in writing (letter, fax, email, verbally by phone or registered letter with return receipt), no later than the last day of the warranty period. Failure to do so will result in the loss of the warranty. Our Quality Office will open a non-conformity Product procedure in order to correct as soon as possible the functionality of the Product or to replace the product, if Selix Equipment Inc. is responsible for this non-conformity. The liability of the Vendor, for all the losses or damages suffered by the Customer due to defects, quality shortcomings or any other total or partial non-conformity, shall in no case exceed the reimbursement of the purchase price of the goods sold by Selix Equipment Inc.

Contract cancellation

In the event the parties do not comply with these general sales conditions, even partially, or if the business address, condition or commercial capacity of the Customer should change, as in the case of proven payment difficulty on behalf of the Customer also towards third parties, Selix Equipment Inc. has the right to interrupt further supply of goods.

Governing law

The sales conditions between the Vendor and the Buyer are governed by the Canadian Laws in force.

Resolution of disputes and Jurisdiction

Any controversy that should arise out of this agreement shall be governed the Canadian Laws in force, unless Selix Equipment Inc. decides to turn to another place of Jurisdiction.

Selix Equipment Inc, A-4080 Belgreen dr. Ottawa, Ontario K1G 3N2

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