

Douglas County RFEI#29-94 (Equipment Proposal)
Biomass/Biochar Facility – Equipment Proposal

COMPLETE SOLUTIONS WASTE TO ENERGY & BIOCHAR PROPOSAL NO. 202505-01.1 – FEED BIN EQUIPMENT

Complete Solutions Consulting International Inc.
310 Circle Drive, St. Albert, Alberta, Canada

June 5, 2025



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1.0 Quotation Summary

Complete Solutions Consulting International Inc. (CSCI) submits this quotation to Douglas County (DC) for the supply of material handling equipment for producing Biochar with the PRD equipment in proposal 202505-01, in Douglas County. CSCI will work with DC to assist in the facility design. The complete system will be designed for the purpose of consuming woody biomass residuals and converting it into Biochar.

A CSCI representative will be on site during delivery of the equipment and to supervise the set up, start up, and commissioning. Our expectation is for this feedstock handling equipment to be completed in parallel with the PRD equipment.

Barring disruptions beyond its control, CSCI will be ready to ship the equipment deliverables at the manufacturer's site within 48 weeks of the date it receives the Customer's Milestone 2 payment as outlined in Section 5.1. Delivery dates will be confirmed upon Milestone 2. Pricing is valid until July 28, 2025.

This proposal is limited to the supply only of feedstock handling equipment as outlined, for the purposes of converting woody biomass into Biochar with the BET31-PRD (202505-01).



June 5, 2025

Douglas County
301 Wilcox Street
Castle Rock, CO, USA

ATTN: Holly Carrell

RE: Douglas County – Waste to Energy & Biochar
CSCI Quote No. 202505-01.1 – Sustainable Waste to Energy System Components

Dear Holly,

Please see below and the attached back up documentation for the pricing as requested for feedstock handling equipment to be integrated into the overall facility. This equipment will be required for the operation of the BET31-PRD.

Feedstock Handling System (PRD not in this proposal)

\$496,045.00 USD

(Feedstock receiving, chipping, sorting, grinding and handling excluded)

The base system includes the following:

- **2 x MYERS Modified Feed Bin (26' length – DRUM)**
 - Skid mounted (wheels removed) 26' long feed bin
 - Modified drive for electrical drive and controls
 - Electrical sensors for start/stop/level control
 - 16' conveyor
- **1 x MYERS Modified Feed Bin (16' length – PRIMARY HEAT)**
 - Skid mounted (wheels removed) 16' long feed bin
 - Modified drive for electrical drive and controls
 - Electrical sensors for start/stop/level control
 - 12' conveyor
- **1 x MYERS Modified Feed Bin (16' length – BIOCHAR)**
 - Skid mounted (wheels removed) 16' long feed bin
 - Modified drive for electrical drive and controls
 - Electrical sensors for start/stop/level control
 - 16' conveyor for offloading
- **1 x Custom Fabrication Hopper and Bag Mount**
 - Fabricated bag loading hopper with manual chute door
 - Tote hanging hooks with room for pallet and bag below hopper

Additional equipment will be required for full building integration options, not currently included in this proposal.




Clarifications:

- All Taxes / Duty / Tariffs are additional to this pricing. (See Appendix A)
- Foundations or stands are required below this equipment.
- This equipment must be installed and commissioned at the same time as the BET31-PRD in 202505-01. If additional trips are required, costs will be invoiced as laid out in Appendix E.
- Storage of equipment when ready for delivery, if site is not ready, will be additional.
- Freight / Hoisting / Assembly & Handling.
- See Appendix A-G for additional clarifications and information.

Pricing is subject to all terms and conditions included in this proposal and is only in effective until July 28, 2025.

We look forward to working with you on your upcoming project.

Sincerely,



Ian Soder, CET, GSC
Complete Solutions

Proposal acceptance in full, please execute:

Douglas County
301 Wilcox Street
Castle Rock, CO, USA

Signature: _____

Name: Holly Carrell

Title: _____

Complete Solutions Consulting International Inc.
310 Circle Drive
St. Albert, AB T8N 7L5

Signature: _____

Name: Ian Soder

Title: Director

2.0 Appendix A – Additional information:

Below are action and information items for Douglas County as they work through this project with Complete Solutions and other Stakeholders. These items are identified to ensure a full picture of issues to consider while developing the overall project.

Action Required:

- **Payments** – Pay invoices on time to ensure project timelines
- **Engineering** – Any engineering for the project and equipment
- **Installation** – Crew to install equipment
- **Media** – Include Complete Solutions in media events

Information / Assumed:

- **Payments**
 - All Taxes / Duty / Tariffs.
 - Milestone payments to CSCI per clause 4.1.
- **Engineering**
 - Overall system integration engineering with building components.
 - All permits as required for the site area, including engineering if required.
 - Additional power as required for all other additional equipment – TBD.
 - A compacted surface or foundation engineered to carry skid mounted feed bin weight.
- **Installation**
 - Freight / Hoisting / Assembly & Handling.
 - Miscellaneous metal work such as conveyor stands, and feedstock deflectors as required for local set up.
 - Electrical work, such as site Interconnects, Terminations, additional feeds, etc.
 - Miscellaneous metals, including stands, hoppers, and deflectors as required.
 - Hoisting equipment for unloading and set up equipment on site. Crane/forklift/telehandler with operators on site to be utilized for unloading and set up of equipment.
 - Labour and equipment required for the set up of all equipment, with the supervision of CSCI personnel.
 - DC and CSCI will both maintain proper insurance as required for the project work.
- **Media / Public Relations**
 - DC will include CSCI during media communications related to the project and provide access to CSCI for BD & PR activities.

3.0 Appendix B - CSCI Inputs

1. Overall project support relating to site layout, the implementation of equipment and the delivery to site. Client is ultimately responsible for design.
2. Remote (zoom/teams) support for system integration between the equipment manufacturers (PRD / Boiler) and DC design and construction group for overall system.
3. Provide parallel on-site supervision for up to 2 weeks for installation, start up/commissioning of feedstock equipment at the same time as the BET31-PRD system.



4.0 Appendix C - Financial

4.1 Payments Schedule

This quotation is based on DC electronically wire transferring milestone payments into the CSCI account as follows. All numbers are before applicable taxes.

- **10% Deposit required by July 28, 2025 to lock in pricing.** Initial deposit is completed at time of wire transfer, not from invoice date.
- Additional 45% required by August 28, 2025, or sooner, to start manufacturing and confirm delivery date, completed upon wire transfer, not from invoice. Pricing is subject to change for this unit if payment not received by this date.
- Manufacturing progress due payable 90 days after payment 2 is received.
- Unit inspection progress will allow release of equipment from the manufacturer, completed upon wire transfer, not from invoice. Client is invited to inspect equipment prior to shipping at their own cost.
- All numbers are in USD.

Payment Schedule		
	Description	Payment
	TOTAL COST:	\$ 496,045.00
1	Initial Deposit (10%) by July 28, 2025	\$ 49,604.50
2	Manufacturer Deposit (45%) by August 28, 2025	\$ 223,220.25
3	90 Days after Manufacturing Deposit (25%)	\$ 124,011.25
4	Unit Inspection and prior to Freight (15%)	\$ 74,406.75
5	Equipment Delivered (3%)	\$ 14,881.35
6	Commissioning Complete (2%)	\$ 9,920.90
		\$ 496,045.00

4.2 The Warranty

All warranties from the equipment provided through CSCI will be **direct from Manufacturer to DC**. CSCI will support as we are able, however, the warranty will be carried directly between the equipment manufacturer and DC.



12-month BET system parts replacement from date CSCI deliverables are commissioned on site. Warranty applies to mechanical, electrical and control components (breakers, sensors, motors, actuators, and like). Wear materials (e.g. high temperature envelope linings) are excluded.

Owner pays cost of transport of replacement parts from supplier's address to Owner project site and installs replacement parts as needed.

Once Client confirms equipment required, each manufacturers warranty will be provided.

5.0 Appendix D - Other Conditions

- Unless otherwise agreed, the client remains Prime Contractor/Responsible Party for all Work/Safety on the client's site.
- Manufacturers warranty will be provided as noted in the attached from Biomass Energy Techniques.
- Liquidated Damages and/or Consequential Damages, in any form, will not be accepted by CSCI or Biomass Energy Techniques.
- CSCI does not and will not carry Workers Compensation Coverage. CSCI support for installation is purely supervision, no physical labour is included from CSCI.
- Operation of the system is required to be within the Operations Manual from the manufacturer. Deviation from this may void warranties.
- CSCI maintains access to the equipment for demonstration purposes with coordination through the Client. NDA can be reviewed as required by the Client.
- All emissions testing data will be made available from DC to Complete Solutions International Inc. upon request, for the duration of system operation.
- Feedstock for the BET System has no high hazard contents (including but not limited to: radioactive materials, mercury-fluorescent light bulbs/tubes, arsenic, lead, sulphur, batteries, chlorine-other halogens, and like materials requiring special consideration) that may cause BET emissions to exceed governing authority emissions limits.
- Standard payment terms for DC are Net 30, on progress payments. Deposit and payments per manufacturer schedule are required for manufacturing to proceed and are dated once funds have been transferred. This deposit schedule is based on the total cost of the system, excluding PC Sums. Time frames for the project are based on received payment date, not invoice date.
- Bonding or Surety of any form has not been included in this proposal.

6.0 Appendix E - Ongoing BET O&M Support

CSCI will provide technical support as needed for this equipment. If additional time is required, upon request from DC, CSCI will travel to site for hands on support and troubleshooting.

A CSCI representative(s) will travel to site if/as required for troubleshooting/supporting BET system service personnel. **Costs are as per the attached rate sheet and a separate contract agreement can be made for these services if required.**

CSCI Rate Sheet		
	Description	Rate
1	CSCI Technical Support (hourly – remote – minimum 2 hour)	\$ 125.00
2	CSCI Technical Support (daily – on site – including travel days)	\$ 1,250.00
3	All Business travel (costs + 15% OH&P)	15%
4	All third-party costs as required (cost + 15% OH&P)	15%

Note:

All rates are in USD unless noted otherwise

All pricing & rates are excluding tax unless noted otherwise

All third-party invoices will include a 15% Overhead & Profit

CSCI Rate Sheet pricing valid until December 31, 2025

7.0 Appendix F - Complete Solutions History & Team

There is potential energy everywhere around us. Our current world consumes products and doesn't utilize all the energy before filling landfills. It was with this mindset that CSCI was incorporated in early 2020. The concept of converting the potential energy of waste into something usable was the driving force behind CSCI.

Since the start of 2020 we have worked with Biomass Energy Techniques and other technology companies to develop solutions to clients' needs for waste, heat, energy, and carbon footprint.

Summer of 2021 allowed for a full-scale pilot plant in Stony Plain, Alberta, Canada. This allowed for sustained testing throughout the summer and into the fall of various types of feedstocks. We were able to test the throughput, operating conditions, emissions data, and material handling of various feedstocks. Feedstocks include woody biomass (sawdust/wood chips/shredded wood), pulp & paper sludge, sanitary sewage sludge, plastics, cardboard, municipal solid waste, organic greenhouse waste vines, coconut matting waste, and others.

CSCI is currently working with multiple clients in the United States and Canada for custom system implementations. Each client has unique needs and costs, therefore all systems we work with are slightly unique to the end user.

Technology is utilized from off the shelf products from around the world to complete each system. However, the base technology for all of our systems remains the Biomass Energy Techniques (BET) Pyrolysis Rotating Drum (PRD).

7.1 Complete Solutions Leadership

Ian Soder, Director, and Founder has over 20 years experience in the construction industry in western Canada. Most of this time was spent working with Water and Wastewater treatment plant construction. This experience with complex systems has helped forge the basis of what CSCI is today.

Jason Holtz, Director, has over 30 years of experience in the construction industry in North America. Most of his experience is in the steel manufacturing business. Structural steel, specialty metals, and custom fabrications have all led to great input on the overall systems utilized by CSCI's Clients.



8.0 Appendix G: Additional Information

8.1 MYERS Feed Bin Data Sheets.