# Benefits and Implications of the E3i BioRefinery® Production Facilities



Win for Investors, Customers, and Host States

The E3i BioRefinery<sup>®</sup> facilities present numerous benefits for various stakeholders, including investors, customers, and the host state or country. The ability to produce consistent and abundant fuel on-site at a low cost is a pivotal advantage. This capability ensures a stable supply of fuel, catering to both local and global demands efficiently.

### **Fiscal Implications**

The E3i BioRefinery<sup>®</sup> has significant fiscal implications. For investors, the potential for a high return on investment is substantial due to the continuous demand for fuel. Additionally, producing fuel near or on US military bases globally reduces logistics costs and enhances the security of fuel supply chains. The ability to own and protect fuel storage tanks further mitigates risks associated with adverse commercial access or national disruptions.

#### Logistics Implications

From a logistical standpoint, having a E3i BioRefinery<sup>®</sup> on or near US military bases ensures a steady and secure supply of fuel, crucial for military operations. The ability to modify the production of diesel or aviation fuel based on demand fluctuations, as determined by DLA Energy, ensures operational flexibility and readiness. Moreover, the option to sell excess fuel to commercial customers generates additional revenue streams for both E3i and DLA Energy.

#### **Production Capabilities**

The on-site production of fuel offers a myriad of advantages. It allows for the creation of consistent and abundant fuel supplies at a reasonable cost, reducing dependency on external sources. This self-sufficiency is particularly advantageous for military bases, ensuring they remain operationally independent and ready at all times. Furthermore, the ownership and protection of fuel storage tanks reduce the risk of commercial disruptions or national security threats.

#### Adaptability

The ability to adapt production to meet the fluctuating demands of diesel or aviation fuel is another critical benefit. The E3i BioRefinery<sup>®</sup> offers this flexibility, ensuring that fuel production can be ramped up or down based on current needs, optimizing resource utilization and cost-effectiveness. The sale of excess fuel to commercial customers not only generates income but also contributes to the broader energy market.

## Benefits to Host Country

#### Strengthening US Relations

Establishing the E3i BioRefinery<sup>®</sup> in a host country can significantly strengthen US relations with that country. These facilities create long-term quality employment opportunities, fostering economic development and stability. Additionally, they offer training programs for employees, enabling them to acquire new skills and advance their careers. The project mitigates waste disposal that would have been landfilled or incinerated. By replacing these unsustainable MSW operations, base and public health is improved.

#### **Economic Empowerment**

E3i BioRefinery<sup>®</sup> facilities empower resource-poor countries by transforming them into fuel exporters. This shift can have a profound impact on the host country's economy, providing a steady income stream and reducing reliance on imports. For instance, countries like Jordan could benefit immensely from such initiatives, becoming key players in the global energy market.

#### Additional Offtakes

Beyond fuel production, the E3i BioRefinery<sup>®</sup> will also produce other valuable offtakes needed in arid countries for agriculture, such as water, or industrial products like graphene. These by-products contribute to the host country's industrial and agricultural sectors, promoting overall economic growth and sustainability.

In conclusion, the E3i BioRefinery<sup>®</sup> offers a win-win scenario for investors, customers, and host states. They provide a secure, reasonable cost fuel supply, generate significant fiscal and logistical benefits, and foster economic empowerment and development in host countries. By strengthening US relations, creating quality employment opportunities, and enabling resource-poor countries to become fuel exporters, these facilities play a crucial role in the global energy landscape.