

2024

Obtect, Inc.

501c4 Nonprofit

At Obtect, Inc. we're advocating the sustainable transformation of polymers and petrochemicals through AI and green chemistry.



OUR SUSTAINABLE MATERIALS CONCEPT BRIEF

Created By :

Ian Irving Bradshaw
Our Chairperson

Date :

20 March, 2024

Location :

1712 Pioneer Ave, Ste. 2585,
Cheyenne, WY 82001

Beyond Circularity

Sustainable Materials

Post-2050, the dynamics of oil supply and demand will be fraught with significant uncertainty, posing a challenge to the polymers and petrochemicals industry.

In the accelerating field of sustainable chemistry, ambitions must stretch beyond circularity and recycling to meet demand. While recycling stands as a testament to our efforts to minimize waste and repurpose materials, it is, to some degree, constrained by the laws of chemistry and physics.

The concept of entropy is a principle modeled by statistical mechanics that quantifies the degree of disorder or randomness within a system, serving as a bridge between the behavior of individual particles and the emergent properties of larger systems. This thermodynamic law challenges us to reconsider our approach to sustainable materials.

Our Preliminary Estimates

6000+

Polymers and Petrochemical Need to be Replaced

\$26,149,565,046,705

Cost to Synthetically Produce US Methane Consumption (2019)

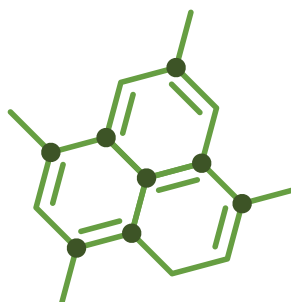


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About Our Company



Our Values

Our organization is Inclusive, Transformative, Adaptive, and Dynamic. We seamlessly integrate these values into our advocacy work. Cultivating diversity and plurality, we champion equitable and pragmatic solutions. As we adapt to challenges with absolute resilience, we aim to move industrial chemistry towards transformative justice. As emerging leaders, we influence the dynamics necessary to replace polymers and petrochemicals, reduce reliance on non-renewable resources, and steer the world towards a sustainable future.

Our Vision

We envision a future where humanity and artificial intelligence converge to revolutionize our material culture through the principles of sustainable engineering and green chemistry. This encompasses moving beyond crude oil and natural gas, the primary feedstocks for polymers and petrochemicals.

Our Mission

Our mission is to refocus public research, advocacy, information design, and education about the issues and benefits of a balanced approach to legislative and regulatory action related to the production and use of natural resources or their derivative products.

Chairperson Statements

Transcending traditional boundaries, Obtect embodies a radically transdisciplinary approach to innovation advocacy. Our focus extends far beyond the conventional realms of climate adaptation and greenhouse gas emission reductions. We are committed to catalyzing a cultural transformation that will redefine the relationship between human life and the ecosphere, facilitating an evolution in how we coexist with our planet.



Ian Irving Bradshaw

Chairperson & Founding Board Member

At Obtect, we are at the forefront of driving cultural shifts towards a future less dependent on crude oil and natural gas. Recognizing that these two resources, while not yet depleted, will become increasingly scarce and less accessible, our mission is to influence the development of organic green chemistry and sustainable materials.

Our green growth approach is firmly embedded within a macromarketing framework, aiming to identify and cultivate synergistic outcomes that benefit the private sector, governmental bodies, and society as a whole. This perspective underscores the importance of societal welfare, equitable distribution of goods and services, and the significant influence of market activities on environmental sustainability, consumer well-being, and social justice.

Ian M. Irving Bradshaw

Our History

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IN 2021

Initial Concept

Founding board members began to lay the groundwork for what would become Obtect, Inc.

The Founding

Articles of Incorporation were filed on August 10, 2022 in the state of Wyoming.

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IN 2022

Inaugural Meeting

The founding board members had their inaugural meeting on September 22, 2022.

The Cocoon Phase

We differentiated into three independent organizations: Obtect, American Fuel & Petrochemical Initiative, and Eluetheria PAC.

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IN 2023

Concept Brief Published

This brief is the beginning definition of our adaptive macro growth plan. It is not a secret, because our stakeholders are the public.

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IN 2024

Our Projects



Our growth initiatives are fundamentally focused on driving collaborative cultural adaptation. We advocate a transformative environmental justice that is based in a holistic unity between mass and energy, nature and culture. Whether the brainwave creates culture or culture creates the brainwave is the question that centers the alchemy of our work.

Technology and science, as derivatives of nature and culture, are essential features of our ecosphere. For sustainable growth and adaptation to occur, the governance of technology and science is paramount.

For this reason, Obtect's projects exist at the vanguard of governance models that embody democratic values. Our path towards a sustainable future is marked by collective responsibility.



Adaptation Advocacy Campaigns

Obtect plays a pivotal role in catalyzing connections between federal agencies, scientists, research institutions, policymakers, and local communities.

We are spearheading initiatives in community-based adaptation prototyping, around which advocacy campaigns rooted in community development will be built. These campaigns will foster cross-sector partnerships to cultivate solutions that include the people most impacted by the results.



Strategic Intelligence Platform

In a globalized political economy, characterized by varied factions, communities must be prepared. Obtect is building a platform for structural analysis, scenario modeling, and game theoretic analytics.

Through structural analysis, we delineate the state variables that underpin multi-player, multi-level, discrete-time political and economic games. This allows us to assess the impact and evolutionary trajectory of strategic interactions.

Our Services

By harmonizing private donations with community interests, we orchestrate multifaceted advocacy campaigns encompassing public engagement, policy advocacy, legal initiatives, media strategies, coalition formation, and networking. Our goal is to steer investments towards scientific and technological innovations that not only fuel economic growth but also enhance resilience and elevate the quality of life in communities.



Public Engagement

Tactics: Polls, Petitions, Grassroots Lobbying, Town hall meetings

Description: Engage and mobilize public support through polls, petitions, and town halls, harnessing grassroots lobbying to advocate for sustainable materials and green chemistry.



Policy Influence & Advocacy

Tactics: Policy Research & Recommendations, Joint Letters, Submissions for a regulatory docket

Description: Influence policy by providing research and recommendations, coordinating joint letters, and making submissions to regulatory dockets, focusing on replacing petrochemicals.



Legal & Regulatory Action

Tactics: Lawsuits, Submissions for a regulatory docket

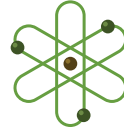
Description: Utilize lawsuits and regulatory submissions to challenge unsustainable practices and advocate for policies supporting green chemistry and sustainable materials.



Media & Communication Strategy

Tactics: Media events/news conferences, Ads & Social Media, Letter-to-the-editor, op-eds

Description: Leverage media events, social media, and opinion pieces to raise awareness and support for transitioning away from fossil fuel-derived polymers and chemicals.



We firmly believe that long-term sustainable growth transcends mere market dynamics. The strategic influence of institutions plays a pivotal role in advancing green chemistry and the transition away from conventional feedstocks for polymers and petrochemicals.



Coalition Building & Networking

Tactics: Joint Letters, Meetings/Conference calls

Description: Foster collaboration through joint letters and meetings, uniting stakeholders in advocating for sustainable materials and green chemistry initiatives.

Max Annual Budget to Lobbying

40%

These efforts are aligned with community interests.



Our Problem

Beyond 2050, the landscape of oil supply and demand faces considerable uncertainty, presenting a significant challenge to the industrial chemicals sector, an essential component of modern economies. A shift towards sustainability and resilience is imperative, not only to respond to immediate pressures but also to ensure long-term viability in the face of diminishing resources and escalating global challenges.



Time Constraints

The transition to sustainable materials within a definitive timeframe remains uncertain, facing real-world challenges such as varying research intensity, fluctuating productivity rates, and diverse capital return rates. These factors present a conflict between the time needed for innovation and the time we have to replace polymer and petrochemical feedstocks or find substitutes.



Acceleration Risks

AI can significantly enhance innovation speed by propelling advancements in green chemistry and sustainable technologies. While acceleration disrupts demand for human labor in innovation, it also generates opportunities for skilled positions in sustainable materials. This evolution underscores the necessity for workforce adaptation and accentuates the need for social safety nets.



Research Cycles & Investment

Developments in green chemistry often prioritize processes with a high potential for return on investment, rather than prolonged research for complex substitutions. Additional funding and talent is needed to overcome limitations associated with bio-refined solutions. Additional study is also needed to scale chemical syntheses that use green hydrogen and captured carbon.

Our Solution

Shifting from crude oil and natural gas as feedstock for polymers and hydrocarbons to sustainable alternatives poses numerous challenges, but it can also be seen as a strategic economic opportunity. The transition, if anchored in a synergy between Artificial Intelligence (AI) and green chemistry, would be poised to revolutionize the petrochemical sector, enhancing both environmental integrity and economic vitality.

AI & Green Chemistry

The strategic integration of AI technology with green chemistry serves as a powerful catalyst for innovation, providing unparalleled opportunities for optimizing production processes, increasing material efficiency, and fast-tracking the development of renewable resources. Through the application of predictive analytics, machine learning, and advanced simulations, AI technologies unlock innovative approaches to waste reduction, enhanced recycling efficiencies, and the diminution of the environmental footprint associated with chemical production.



Universal Basic Income

Recognizing the transformative effect of AI on labor markets, Universal Basic Income (UBI) is a critical solution. UBI policies provide citizens with a regular stipend to cover living expenses, offering an optional pathway for retraining. This approach not only addresses immediate financial needs but also supports workforce adaptation to technological advancements.

Infrastructure bills fostering green jobs can also significantly enhance employment opportunities while reinforcing sustainable consumption.



Early Pilot Programs

Stockton, CA was among the first to launch a pilot UBI program in 2019.

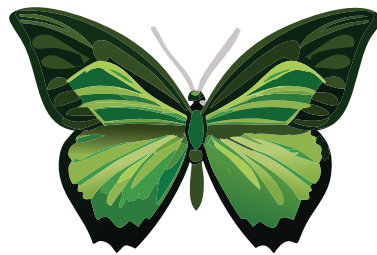


Inflation Reduction Act

The IRA is expected to create at least 1.3 million new jobs by 2030.

Connect with us below, if you're ready to create a critical mass formation.

We are Obtect.



Social :

@weareobtect

Website :

www.obtect.org
admin@obtect.org

Location :

1712 Pioneer Ave, Ste. 2585,
Cheyenne, WY 82001