



جامعة الموصل
كلية الإدارة والاقتصاد

دورُ بعضِ استراتيجياتِ الإدارةِ المُستدامةِ في تخفيضِ البصمةِ الكربونيّةِ

الدبلوم العالي
في قسم الإدارة الصناعية / إدارة الجودة

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المستخلص

يهدف البحث الحالي إلى قياس علاقات الارتباط وطبيعة التأثير بين استراتيجيات الإدارة المستدامة المتمثلة بـ(الكفاءة في استخدام الموارد، والتحول نحو الطاقة النظيفة، والمسؤولية الاجتماعية، وسلسلة التوريد المستدامة، والتقارير والشفافية) وتخفيض البصمة الكربونية في قطاع النفط وتحديدًا شركة مصافي الشمال، فهو قطاع حيوي يتسم بكثافة استهلاك الطاقة ويواجه ضغوطاً متزايدة للتحويل نحو عمليات أكثر استدامة. إذ انطلق البحث من مشكلة رئيسة تتمثل في أنَّ الجهود الفنية قد لا تحقق أهدافها المرجوة لخفض الانبعاثات الكربونية ما لم تكن مؤطرة ضمن منظومة إدارية متكاملة وداعمة.

ولمعالجة هذه المشكلة قام الباحث ببناء مخطط فرضي لقياس علاقات الارتباط وطبيعة التأثير بين متغيرات البحث .

ولتحقيق اهداف البحث واختبار فرضياته تم اعتماد المنهج الوصفي التحليلي. واعتمدت استمارة الاستبانة بوصفها أداة رئيسة لجمع البيانات؛ إذ طُبّق البحث في شركة مصافي الشمال باعتبارها ميدان البحث، اما عينة البحث فتمثلت بعينة قصدية شملت (50) فرداً من مديري الاقسام والشعب والمهندسين العاملين في هيئة الإنتاج وشعبة البيئة؛ إذ حُلّلت البيانات التي جُمِعت باستعمال البرمجة الإحصائية (SPSS Ver 24).

وتوصل البحث الى جملة من الاستنتاجات ابرزها وجود تأثير ذي دلالة إحصائية لاستراتيجيات الإدارة المستدامة في تخفيض البصمة الكربونية. وقدمت مقترحات من اهمها ضرورة تبني أنموذج إداري متكامل للاستدامة، والاستمرار في تحقيق الكفاءة في الطاقة المستعملة لما لها من دور مهم في تخفيض البصمة الكربونية.

الكلمات المفتاحية: الإدارة المستدامة، استراتيجيات الإدارة المستدامة، البصمة الكربونية

Abstract

This current research aims to measure the correlation relationships and the nature of the impact between deep sustainable management strategies (resource use efficiency, transition to clean energy, social responsibility, sustainable supply chain, and reporting and transparency) and the reduction of the carbon footprint in the oil sector, specifically the North Refineries Company. This is a vital sector characterized by energy-intensive consumption and faces increasing pressures to transition towards more sustainable operations. The research stems from a main problem that technical efforts may not achieve their intended goals of reducing carbon emissions unless they are framed within an integrated and supportive administrative system.

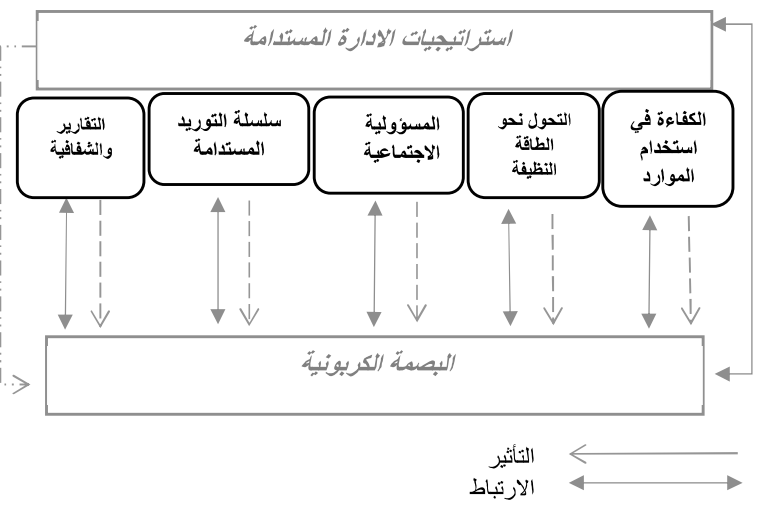
To address this problem, the research constructed a hypothetical model to measure the correlation relationships and the nature of the impact between the research variables.

To achieve the research objectives and test its hypotheses, the analytical descriptive approach was adopted. A questionnaire form was relied upon as a main tool for data collection. The research was applied in the North Refineries Company as the research field. The research sample was a purposive sample that included (50) individuals from department and unit managers, engineers working in the production department and the environmental division. The collected data were analyzed using statistical programming (SPSS Ver. 24).

The research reached a number of conclusions, the most prominent of which was the existence of a statistically significant impact of sustainable management strategies on reducing the carbon footprint. Recommendations were presented, the most important of which are the necessity of adopting an integrated administrative model for sustainability, and continuing to achieve efficiency in the energy used due to its important role in reducing the carbon footprint.

Filler

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HIGHLIGHTS	GRAPHICAL ABSTRACT
Chapter One: Review of Previous Research Efforts and the Scientific Methodology of the Research Section One: Review of Previous Research Efforts Section Two: The Scientific Methodology of the Research Chapter Two: Theoretical Framework Section One: Sustainable Management and its Strategies Section Two: The Carbon Footprint Chapter Three: Field Framework Section One: Description of Research Terms and Variables Section Two: Testing Research Hypotheses and Discussing the Results Chapter Four: Conclusions and Recommendations Section One: Conclusions Section Two: Recommendations	 The diagram illustrates the research model. At the top, a box labeled 'استراتيجيات الإدارة المستدامة' (Sustainable Management Strategies) is connected by dashed lines to five intermediate boxes: 'التقارير والشفافية' (Reporting and Transparency), 'سلسلة التوريد المستدامة' (Sustainable Supply Chain), 'المسؤولية الاجتماعية' (Social Responsibility), 'التحول نحو الطاقة النظيفة' (Transition to Clean Energy), and 'الكفاءة في استخدام الموارد' (Resource Use Efficiency). These five boxes are connected by solid double-headed arrows to a bottom box labeled 'البصمة الكربونية' (Carbon Footprint). To the right of the bottom box, there are two horizontal arrows: one pointing left labeled 'التأثير' (Impact) and one pointing right labeled 'الارتباط' (Correlation).
KEYWORDS	ABSTRACT
Sustainable management, sustainable management strategies, carbon footprint	This current research aims to measure the correlation relationships and the nature of the impact between deep sustainable management strategies (resource use efficiency, transition to clean energy, social responsibility, sustainable supply chain, and reporting and transparency) and the reduction of the carbon footprint in the oil sector, specifically the North Refineries Company. This is a vital sector characterized by energy_ intensive consumption and faces increasing pressures to transition towards more sustainable operations. The research stems from a main problem that technical efforts may not achieve their intended goals of reducing carbon emissions unless they are framed within an integrated and supportive administrative system. To address this problem, the research constructed a hypothetical model to measure the correlation relationships and the nature of the impact between the research variables. To achieve the research objectives and test its hypotheses, the analytical descriptive approach was adopted. A questionnaire form was relied upon as a main tool for data collection. The research was applied in the North Refineries Company as the research field. The research sample was a purposive sample that included (50) individuals from department and unit managers, engineers working in the productions department and the environmental division. The collected data were analyzed using statistical programming (SPSS Ver. 24). The research reached a number of conclusions, the most prominent of which was the existence of a statistically significant impact of sustainable management strategies on reducing the carbon footprint. Recommendations were presented, the most important of which are the necessity of adopting an integrated administrative model for sustainability, and continuing to achieve efficiency in the energy used due to its important role in reducing the carbon footprint.

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The role of some sustainable management strategies in reducing the carbon footprint

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