الآية

(وَقُلِ اعْمَلُوا فَسَيَرَى اللَّهُ عَمَلَكُمْ وَرَسُولُهُ وَالْمُؤْمِنُونَ وَسَتُرَدُّونَ إِلَى عَالِمِ الْغَيْبِ وَالشَّهَادَةِ فَيُنَبِّئُكُمْ بِمَا كُنْتُمْ تَعْمَلُونَ)

صدق الله العظيم...

التوبة (104ـــ105).

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الي الذي يعطي دون مقابل ويكد من اجلنا

الي الذي بعث في روح الامل والعزيمة والبذل

الي الذي علمني معني الصبر والمثابرة والكفاح

الي الذي قادنا بعناية فائقة الي بر التعليم

الي نبع العطاء ابي ...

الي التي تسهر علي راحتنا وتضع تاج الوفاء

الي التي علمتني ان الحياة عطاء بلا حدود

الي التي ارضعتنا الالفة والمحبة والوفاء

الي منبع الحنان امي ...

الي الذين تجري دمائهم في اوردتي وشرياني

الي الذين يرسمون البهجة علي وجهي

الي الذين أتذوق طعم الحياة بهم

اخواني واخواتي الاعذاء ...

الي الذين احس معهم باننني بين اخوتي

الي الذين امل ان يواصلو في درب النجاح

الي الذين لا اجد ما اعبر به عرفانا ووفاء لايادتهم

رفقاء دربي....

Abstract:

In this research data from Elobied refinery was used to calculate the energy losses for fixed roof tanks also this data was used to calculate losses for unisolated valves, flanges and pipes, In addition the efficiency for furnace and boiler was calculated. Energy losses for this equipment represented in dollars were 171666791$, 5103685500$, 5056491000$, 1732662300$ respectively, and the efficiency of heater and boilers were 66% & 87.4% respectively. Accordingly some remedies and treatments were proposed to decrease energy losses and increase energy efficiency.

Key words: energy efficiency, energy auditing, losses calculation.

التجريد

تم استخدام بيانات من مصفاة الأبيض لحساب الفاقد في الخزانات ذات السقوف الثابتة كما تم استخدام نفس البيانات لحساب فاقد الطاقة في كل من الأنابيب والصمامات والفلنشات غير المعزولة كذلك تم حساب الكفاءة بالنسبة للأفران والغليات.

وجد ان فقدان الطاقة بالدولار في هذه المعدات ,$5056491000 ,$5103685500 ,$1716667791 $1732662300 بالترتيب وكفاءة السخان والغلاية 66% و 87.4% بالترتيب. وفقا لذالك اقترحت بعض المعالجات لتقليل الطاقة المفقودة لزيادة الكفاءة .

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