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STATEMENT OF ORIGINALITY

- 1) The new method for manage incomplete information which related in energy industry has presented on this thesis by identify player and information for each procedure, and use it to manage incomplete information from use unstructured data by design Energy management system.
- 2) In this thesis, the new attribute has identified by create whole industry's balance scorecard (BSC) combine with task template and communication model that present as methodology in CommonKADs for design the Common Information Model (CIM) in order to scope the industries strategic which direct to support every player for manage their country's GDP and control the suitable profit level of electricity supply industry (ESI).
- 3) Generate Energy Management System (EMS) of Electricity Supply Industry (ESI) by generate common information model in order to help to design Electricity supply industry to manage unstructured data. Finally, the result of this thesis has tested by apply on three important cases of energy industry which are emergency plan, demand response and FT cost.

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ข้อความแห่งการริเริ่ม

- 1) วิทยานิพนธ์นี้ได้นำเสนอกรอบแนวคิดใหม่ในการสร้างกลยุทธ์ของอุตสาหกรรมพลังงาน โดยมุ่งเน้นในการกำหนดความสัมพันธ์ของข้อมูลและผู้มีส่วนได้ส่วนเสียในแต่ละงานเพื่อให้อุตสาหกรรมสามารถใช้ประโยชน์จากข้อมูลที่ไม่มีโครงสร้างมาสนับสนุนการตัดสินใจโดยทดแทนส่วนของข้อมูลที่ขาดหายไปได้
- 2) ทำการหาปัจจัยที่มีส่วนเกี่ยวข้องกับอุตสาหกรรมพลังงานในภาพรวมจากการออกแบบโดยอาศัยหลักการบาลานซ์สกอร์การ์ด (Balance scorecard: BSC) ซึ่งสามารถช่วยกำหนดงานในแต่ละงานที่ทางอุตสาหกรรมพลังงานมีส่วนเกี่ยวข้อง และเมื่อนำมารวมกับหลักการคอมมอนแอด (CommonKADs) ซึ่งช่วยให้ผู้เขียนสามารถออกแบบผังงาน (Task template) และผังการสื่อสาร (Communication Model) ของแต่ละปัจจัยได้ เพื่ออำนวยความสะดวกในการออกแบบการสื่อสารกลาง (Common Information model) ระหว่างผู้มีส่วนได้ส่วนเสียได้
- 3) เพื่อทำการเพิ่มประสิทธิภาพของการจัดทำกลยุทธ์ขององค์กรให้สามารถนำกลยุทธ์นั้นไปกระจายใช้ได้กับผู้มีส่วนได้ส่วนเสียอย่างทั่วถึง และสามารถช่วยสนับสนุนให้อุตสาหกรรมสามารถแสดงตัวเป็นส่วนช่วยให้ระดับของดัชนีชี้วัดการเจริญเติบโตของเศรษฐกิจนั้นดียิ่งขึ้น รวมถึงมีส่วนช่วยในการลดภาระของประชาชนในประเทศด้วย

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