ECM (Employee Compliance Monitoring) Information Systems at PT. Chevron Pacific Indonesia

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Abstract: There are many parts of Compliance in the CPI, including Hazard Hunt, SWA, Monthly Meeting, Weekly Meeting, Near Miss, and BBS. Many parts of compliance, complicating compliance coordinator in carrying out the duties coordinate and monitor employee CPI, for adhering to all parts of the compliance of each month. It required a Compliance Monitoring System Employee Information on Land Team PT. Chevron Pacific Indonesia. This information system is supported by an application. This research will study, analyze, design and implement the Compliance Monitoring Information System, to support the program of Compliance and Environmental Health and Safety (HES) at PT CPI - Land Team using PHP and Mysql. Applications developed using HTML (Hypertext Markup Language), which allows the display information in the form of text, chart, and also to connect between each display Web Page (Hyperlink). The end result of this research is produced Web-based application program that will be used in intranet networks that can provide a clear overview of the Compliance Monitoring and Compliance program to support the Environmental Health and Safety (HES) on Land Team PT Chevron Pacific Indonesia.

Keywords: System Information; Application; Compliance; Monitoring; HES; CPI.

1. Introduction

In corporate governance, compliance means follow a specification, standard, or law that has been set out clearly which are usually issued by an authorized agency or organization in a particular field. PT Chevron Pacific Indonesia makes compliance as one indicator of decision-making on the assessment of employees, both increasing salary, position, and other bonuses. There are many parts of Compliance in the CPI, including Hazard Hunt, SWA, Monthly Meeting, Weekly Meeting, Near Miss, and BBS. Many parts of the compliance coordinator sometimes complicate compliance in their duties in coordinating and monitoring the CPI employees for adhering to all parts of the compliance of each month so that the cpi employees expressed adherence to the rules. The data from each part of compliance at the moment still rely on direct report or reports via e-mail directly to the leader of each officer PT. CPI. It will be difficult when trying to perform an audit of data due to the difficulty of the process of data extraction from e-mail.

2. Related Works

In the Procedia Economics and Finance Volume 26, Pages 1-1194 (2015). Ewa Losiewicz-Dniestrzanska says “the growing role of compliance units and compliance risk management. Monitoring compliance risk is a very important aspect in the process of compliance risk management. The article pointed out the difficulty in measuring compliance risks which relate mainly to quantitative techniques, based on the conventionally accepted values, as in the case of reference values for indicators. The large number of indicators used in the compliance management and
their variety may become a nuisance when it comes to utilizing them, which ultimately may result in abandoning them altogether. A good solution to prevent this is to support the compliance risk monitoring with an IT software tool with built-in warning system, which is provided by BPMS-ADONIS.

In Information and Organization 19 (2009) 218–232, Michael Workman says ” We found in our study that people who had greater perceptions of vulnerability to security threats were more amenable to monitoring. However, while perceptions of the severity of those threats were not a factor in people’s attitudes, their attitudes (which were relatively negative) did improve when they had more positive perceptions of organizational procedural justice. We also found that greater self-efficacy resulted in more positive attitudes about monitoring, and that greater perceptions of company security efficacy led to more positive attitudes about monitoring, and that greater levels of trust produced more positive attitudes about monitoring. In all cases, attitudes were improved by higher perceptions of procedural justice, and that as more positive attitudes about monitoring was associated with lower absenteeism. The findings of this research should be of interest to human resources practitioners, organizational developers, organizational behaviorists, industrial and organizational psychologists, and managers in organizations alike”.

3. Material & Methodology

3.1. Data

Primary data writers get through interviews with Sr. Analyst Mr. Isep Sumpena and Coord. Land Compliance Mr. Yon Hendri Zulzaini.

3.2. Design System

3.2.1 Use case diagram

![Use Case Diagram](image1)

Figure 1. Use Case Diagram

3.2.2 Class Diagram

Class Diagram Compliance Monitoring system information describes the attributes or properties of the system, as well as describing the structure and class descriptions login, admin class, class of employees and objects and their relationship to one another.
4. Results and Discussion

4.1. Result

<table>
<thead>
<tr>
<th>Database Name: Compliance</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name Table: user</td>
</tr>
<tr>
<td>Description: The table that contains user information</td>
</tr>
<tr>
<td>Primary key: ID</td>
</tr>
</tbody>
</table>

NamaTabel: hazardhunt
Description: The table that contains the data based on the Hazard Hunt

NamaTabel: swasswa
Description: The table that contains the data SWA or SSWA based on the observation of employees working area Land Team PT. Chevron Pacific Indonesia.

NamaTabel: monthlymeeting
Description: The table that contains the monthly meeting attendance data HES working area Land Team PT Chevron Pacific Indonesia.

NamaTabel: weeklymeeting
Description: The table that contains the weekly meeting attendance data HES working area Land Team PT Chevron Pacific Indonesia.

NamaTabel: nearmiss
Description: The table that contains the data Near Miss based on the report on the observation of employees working area Land Team PT. Chevron Pacific Indonesia.
4.1.1 Login Page

To be able to sign in and use the system Employee Compliance Monitoring this information, the user must be logged in to input user id and password.

![Figure 3. Login Page](image)

4.1.2 Home Hazard Hunt

On this page, shown how the actual form of inputting Hazard Hunt report in accordance with the observation of Land Officer.

![Figure 4. Home Hazard Hunt](image)

4.1.3 Home SWA/SSWA

On this page, displayed a form for reporting SWA/ SSWA accordance with the observation of Land Officer.
4.1.4. **Home Weekly Meeting**

On this page, shown how to form the charging report attendance / absence of HES Weekly Meeting.

![Figure 5. Home SWA/SSWA](image)

4.1.5. **Home Monthly Meeting**

On this page, shown how to form the charging report attendance / absence of HES Monthly Meeting.

![Figure 6. Home Weekly Meeting](image)

![Figure 7. Home Monthly Meeting](image)
4.2. Discussion

In this study, produced a design of information systems that facilitate compliance management at PT. CPI. Compliance Employee Information System developed a web-based application and is used in environments PT. CPI. Recording and processing of reports relating to compliance becomes easier. Each incoming reports, can be directly processed and proceed to the next party.

5. Conclusion
a. System information generated and implemented in an Application Compliance Monitoring can be used to support the program of Compliance and Environmental Health and Safety (HES) on Land Team PT Chevron Pacific Indonesia.

b. Applications on this information system, facilitate the conduct of data storage, data retrieval, tracking data, and preparing reports Compliance.

References