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PT Sigma Cipta Utama which is a subsidiary of PT Elnusa Tbk (subsidiary of Pertamina) has been established since April 8, 1980. The business enterprise began with data management in the oil and gas industry. Consistent with the policy of the Holding Company Elnusa, SCU was appointed as the only sole subsidiary in charge of Data Management in Elnusa Group, since November 2007 PT Elnusa Telematika experienced in the field of telematics (since 1984) and

PT Elnusa Rentrakom experienced in the field of telecommunications (since 1997), merged with the SCU to strengthen and complement the competencies and business enterprises in the areas of Data Management Services.

In the effort to embody the vision and mission of the company, where SCU intends to "become the most reliable and trusted partner in the business of Integrated Asset Data Management particularly in the energy industry with the support of leading-edge ICT technology", the mission is to "Provide superior services in data management in a secure, accurate and quick way to deliver sustainable benefits and added value for our stake-holders", then the company implements professional performance culture to all employees with emphasis on customer satisfaction.

With the support of competent and skilled personnel and constantly upgrade its technology, advanced operating facilities, utilize modern technology, the implementation of the operating system based on the international standard ISO 9001:2008 as Quality Improvement Policy with safe and comfortable work environment that fits industry standard HSSE, SCU is currently ready to be a reliable and trusted partner to support the business of its customers in the field of Data Management Services.

Eddy Arus Sentani
Director
VISION

"To become the most reliable and trusted partner in the business of Integrated Asset Data Management particularly in the energy industry with the support of leading-edge ICT technology."

MISSION

"superior services in data management in a secure, accurate and quick way to deliver sustainable benefits and added value for our stakeholders."
Quality
Prioritize the quality of product and services

Useful
Provide Product and Services that benefit customer’s business

Informative
Provide Product and Services in communicative, informative, precise and accurate ways

Clean
Run the business in a honest, transparent and corruption freeway to help create clean Indonesia

Keen
Run the business with a strong desire to provide the best for the company and its stakeholders
We Provide Solution
DATA MANAGEMENT SERVICES

This business provides a range of data management services including storage and supervision of physical data management which includes various types of data: hard copy documents especially documents of exploration and production, core samples, digital data in a variety of media such as magnetic tape, 9 tracks, 21 tracks, cartridges, etc. For geological rock management services there is a variety of physical services such as slabbing, resination, photo and others. Customers can also take advantage of reformatting and remastering services which is beneficial to replicate master data or to update old computer system format to the format of the present system.

For more information on types of business services of Data Management Services handled by PT Sigma Cipta Utama the main notices are as follows:

- PHYSICAL DATA WAREHOUSING
- DATA REMASTERING
- CORE SERVICES
- ELECTRONIC DATA MANAGEMENT
We provide document storage service that is equipped with online catalog system which enables our customers to access their document catalog whenever and wherever they are. Our filing professionals have good experience in handling petroleum documents which currently occupies most of our storage capacity, such as: well reports, well files, well logs, geological maps, core samples and fluid samples. There are also electronic data media such as cartridges and tapes.

Our storage covers an area of about 12,000 square meters with a capacity of 36,000 cubic meters. Each document or other type of data stored is labeled with barcode, RFID or conventional label, to make searching and other handling process more secure, quicker and easier, and we conduct procedures that comply to the government rules such as: security systems, CCTV, doors using a digital access system settings, temperature and humidity chamber control, fumigation, fire extinguishing devices and more. As for the operation and product quality control, the company implements ISO 9001:2008 system.
DATA REMASTERING

Data remastering is one of the business services which are very rarely owned by other companies. This business provides services for the creation of master data duplication (remastering) which is useful for an update of data storage media backup. This service is to change or to convert data format (reformatting) from the data stored in the media with the old system format (out of date) to the format of the today computer system type. This service is especially useful for customers whose data is stored in the form of magnetic tape (such as the 9 tracks, 21 tracks, cartridge, etc.) to be converted into other media as desired by customers.

The variety of data services remastering includes: transcription (media transfer for different types of data, data format conversion and seismic data recovery), scanning (media transfer services from hard copy media such as microfilm, maps, observation reports, field notes, etc.); OCR and Bookmarking; vectorization and data reconstruction (to correct broken seismic data); digitizing well logs (the creation of digital data using digitizing equipment).
Core Services serves the physical storage, maintenance of geological rock (core samples) and Core Viewing facility equipped with an online catalog searching and order tool. We provide a range of core samples maintenance service such as; inventory & labeling, removal, recovery and cleaning, handling, splitting, slabbing, resination, plugging and grinding, photo, waxing etc. that are useful for the preparation of core samples prior to analysis.

Supported by geologists and experts in petroleum, this service continues to make improvement continuously towards Integrated Core Information Services oriented on the presentation of information on the result of core samples analysis such as; conventional core analysis, routine core analysis, analysis of lithologic rock wells, analysis of petrography rock layers wells, well logs and others. This service is very useful for researchers to conduct a study of potential wells, oil and gas reservoirs
ELECTRONIC DATA MANAGEMENT

It is a data management service that focuses on the management of electronic data by utilizing IT technology and data communication. This business provides data protection for customers by providing a server that functions to store backup data belonging to customers (Disaster Recovery Center). The benefit of this service is; if there is a problem resulting operating system not working at the office of customers, then the backup data system stored in the PT Sigma Cipta Utama (SCU) can be activated.

Electronic Data Management Service is to provide products and system services based on data management, documents and information such as the Electronic Data Management System (EDMS), Document & Filing System and ROC@T application system in various versions and functions.

We provide radio telecommunication system than can be adjusted to your needs. For ensuring the quality and your satisfaction, we cooperate with proven providers of communications equipment. This service is useful to monitor your mobile assets and control the use of resources.

services:
- Conventional Radio Telecommunication
- Trunking Radio Telecommunication
- Tracking System (Radio & GPS/Global Positioning System).
- Wireless Broadband.
Core Information System (CIS) is a system to manage information from geological rock (core samples) which is very important in the petroleum industry. The advantage of this system is to have a complete and integrated information covering a variety of laboratory analysis of core samples, history of the well, well profile, well logs, lithologic formations which allows engineers to conduct individual well research or joint well research.

The system is also capable of presenting information in an interactive and interesting forms of photographs, maps, well logs, along with attribute information of laboratory analysis of core samples. CIS is developed using Web GIS technology with standard RDBMS, and has a reliable security system allowing customers to access the system from multiple locations securely.

**BENEFIT**

1. The availability of core samples, well, and log information in a single integrated system will streamline the time for engineers to set up data for the purposes of an investigation.

2. The availability of integrated information between core samples information, well information, and well log information in a single system makes it easier for researchers to conduct various studies of the increased production of oil and gas.

3. The integrated information of core samples in the CIS is a vital and important information in the petroleum industry and is rarely obtained (generally stored in a well file).

4. The system developed in Web Base - GIS, by adding GIS contour map can make it easier for researchers to know the location of the wells that are being the object of research through GIS maps.
Core Display is a system to manage information from Core Preservation activity which is important in the petroleum industries, so that safety and preservation of core data must be maintained. Core Preservation is also used as preparation for Core Laboratory analysis. Rapid Core Display applications can help the client in the process of analysis, description and viewing core sample thereby increasing the efficiency of time in finding the information of core data. The system is equipped with Report Modul that facilitate the client in making a report.

**BENEFIT**

1. As a tool to facilitate the control and management of Core Preservation result.
2. As a tool to facilitate the control and management of Core Preservation result. Ease in knowing the entire Core sample in one system.
3. Make it easy for users to control and decide what preservation must do for maintained or for purposes of analysis.
4. To assist the user in the preparation of reports. In the application there are modules that can be directly printed report.
5. To assist user in analyzing the core sample before analyze directly in Core Viewing.
Potential Well Analysis is a useful system for Engineer specifically for analyzing the potential of well oil, and the next that information can be used to increase the oil field production.

This system is equipped with Dashboard Executive Information that interactively present Oil Well Potential in field result from well log analysis and well history with a view color separation which symbolize the level of the potential of each layer formation. This dashboard for Management level to make decisions related Increasing Production Activity.

**BENEFIT**

Potential Well Analysis is a system used to analyze the Potential Oil Reserves, the main benefit of this system is:

1. For the Engineer, PWA system are tools to facilitate the analysis of potential oil reserves of each layer and well.

2. For the Dashboard Executive Information Management, PWA system is a tool to make decisions which in what priority do workover.

3. Generally, PWA system has benefits to increase the oil production field.
ROC@T Electronic Data Management System is a management application system that serves digital document management. In the implementation, activities begin with the process of media transfer (scanning) to convert paper documents into digital documents referred as document imaging. The results of imaging documents are stored in the form of structured data (text data) and unstructured data. EDMS was built to enable customers to search a large number of documents because it comes with searching facility by which the facility can be made in stages (advanced searching) as per customer requirements. Another advantage in the management of digital documents is the ease of customers to access the documents directly from the customer's computer desks everywhere, anytime and it can be done fast (real time, anytime, anywhere).

**BENEFIT**

By implementing application systems EDMS ROC@T customers will benefit:

1. Storage of a large number of documents because the documents are stored in digital forms (the efficiency of storage space).
2. Easy and fast access has an impact on the speed in supporting operational activities as well as supporting decision making for managerial level.
3. Document update can be done quickly, and the distribution of documents can be done virtually through computer networks.
4. Reducing the risk of loss and damage to the document.
5. Improving security because only certain customers who get the right access can view the documents.
6. All documents are stored centrally in the server thus it facilitates the maintenance of documents by making a backup.
7. The same document can be accessed by different users at the same time.
ROC@T Physical Data Management System is a management service of various types of data from physical data such as hard copy documents, petroleum documents (Well History, Well Log, Well Report, Maps, etc.), rock samples (core sample) and electronic data such as data in magnetic tape media, cartridges and other digital data. ROC@T Physical Data Management System provides value added services for storage services.

By applying ROC@T PDMS, customers will benefit:
• Borrowing documents online.
• Eliminating the errors of document retrieval borrowed by customers.
• History of borrowing.
• Of the three benefits mentioned above, customers will indirectly get the benefit of increased productivity and performance because the documents as a source of information customers need are quickly and accurately obtained.
Vessel Tracking Management System is a vessel tracking system with modem based technology utilizing GPS (Global Positioning System) and AIS (Automatic Identification System). With the implementation of the GPS modem and AIS Base Station receiver, ROC@T VTMS become one complete system serving as a position monitoring device of the owned vessel position or the other ships around, with the aim to improve safety (to avoid collision), as well as efficiency of operations. ROC@T VTMS is equipped with the satellite image maps, ability to see and to track ships; displays information of specific ships; geofencing, and emergency button for emergencies.

The application of ROC@T VTMS is also very flexible so that customers can modify the display as desired such as: changing display information panel, changing the color pattern of AIS targets, and managing incoming and outgoing alarms to each customer specifically. Customers can also use multiple options of display screen to switch from the observation of vessel monitoring to the observation of various activities in the port.

ROC@T VTMS has 2 (two) transmissions of data, they are:
1. Conventional radio by adding modem device on any vessel.
2. AIS is in accordance with the international standards that every ship must use AIS

The application of ROC@T VTMS is very flexible, so customers can use one of the above transmissions or the combination of both transmissions. The application display of ROC@T VTMS can also be customized according to customer requirements.
**ROC@T Vehicle Tracking Management System**

ROC@T Vehicle Tracking Management System used to monitoring the location of a car, truck or any moving vehicle using the GPS system. Widely deployed to keep track of truck fleets, vehicle tracking ensures that the vehicles are being used properly and that they can be recovered in the event they are stolen. Vehicle tracking relies on the Global Positioning Satellites (GPS) with cellular data service (GPRS) or VHF/UHF radio frequency as carrier. A tracking module in the vehicle continuously picks up the GPS coordinates that indicate the real-time location of the vehicle.

Using a cellular data service such as GPRS, the coordinates are immediately transmitted to the tracking company’s computers. Customers log in to the tracking company Web site to see their vehicles on road maps, similar to in-dash and handled GPS-base navigation systems. Users also can use laptop, smart phone or tablet to monitor their vehicles on road maps.

**BENEFIT**

By applying ROC@T VTMS customers will benefit:

1. Stolen vehicle recovery: can be outfitted with radio frequency or GPS units to allow police to do tracking and recovery. The police can activate the tracking unit in the vehicle directly and follow tracking signals.

2. Asset tracking: track valuable assets for insurance or other monitoring purposes can now plot the real-time asset location on a map and closely monitor movement and operating status.

3. Transit tracking: this is the temporary tracking of assets or cargoes from one point to another. Users will ensure that the assets do not stop on route or do a U-Turn in order to ensure the security of the assets.

4. Field service management: allows companies to quickly locate a field engineer and dispatch the closest one to meet a new customer request or provide site arrival information.

5. Surveillance: a tracker may be placed on a vehicle to follow the vehicle’s movements.
PT Sigma Cipta Utama (SCU) is a company that puts customer satisfaction in maintenance services completed with various storage device facilities, computer systems and safety for easy, secure and accelerate services for customers including:

**Integrated Storage System**

Physical facilities such as building and its storage equipment (shelves, Roll O’pack, Graphiteque, Tube, full air conditioning, fumigation, pest control, fogging).

**Online Help Desk**

Used as a means of communication directly with clients online and supported by telephone facilities.

**Mobile Storage Services and Delivery**

To ease and to speed the physical services of document lending, the company provides mobile storage fleet equipped with air conditioning.
Health Safety Security Environment System

In order to guarantee the confidentiality, security and integrity of documents from damages, the company introduces a system of layered security and comfort settings that includes:

- Security system starting from the gate (outdoor) and inside the building (indoor).
- Access control card and security system master control aimed at securing storage.
- CCTV monitor system devices aimed at controlling rooms for 24 hours.
- Fire extinguish devices including central devices of hydrant water pumps installation
- Fumigation treatment to avoid damages to the documents
- Waste disposal devices intended to prevent environmental pollution

Electrical Power Backup

To ensure the smooth operation, the company provides electric power backup generator as a backup facility in the form of electricity when disconnected.
Customer satisfaction can be achieved by providing quality assurance of products and professional services. To realize it, in addition to developing corporate culture value "QUICK" oriented in the quality of service, professionalism and customer satisfaction, the company also implements ISO 9001: 2008, the development of ISO 9001: 2000, which is named as "Quality Improvement Policy" executed consistently and continuously.

PT Sigma Cipta Utama (SCU) had got the Certificate ISO 9000: 1994 since 1998 issued by SGS, with the scope of competency Data Management Services which include Physical Data Warehousing, Core Storage, Data Remastering and Electronic Data Management.

In the year 2013 the certificate was upgraded to ISO 9001: 2008, with the number Certificate ID03/00167 which covers the scope of:

- Data Management including storage, transcription, scanning & electronic filing system.
- IT solution provider (hardware, software and professional services)

The certificate is regularly (at least every 6 months) in the surveillance audits conducted by the consultant to control the company’s commitment in implementing the system ISO 9001: 2008 as the enterprise operating system.
our customers

- Pertamina
- Elnusa
- Chevron
- skkmigas
- Exxon
- Total
- hp
- pgn
- Shell
- ConocoPhillips
- PETRONAS
- Santos
- We have the energy
- HESS
- Husky Energy
- VICO Indonesia
- MedcoEnergi
- Murphy
- Lundin
- Karang Energy Indonesia
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