

Information Systems

in

North Lebanon Water Establishment

مؤسسة
مياه لبنان الشمالي



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Overview

- Introduction
- Importance of Information Systems
- Information Systems in NLWE
- What is next?



Introduction

- Following up with the Digital revolution is a must
- NLWE is already digitizing
- Software Applications are used in every division in NLWE:
 - For financial
 - For management
 - For customers care

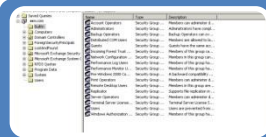


Importance of the information systems

- Data is easier to:
 - store, access, edit, reformat and transmit
- Easily transformed into hard copy
- Faster to do mathematical operations
- Accurate
- Data/Digitization: Eco-Friendly



Information systems in NLWE



Domain



X7



PIMS



GIS



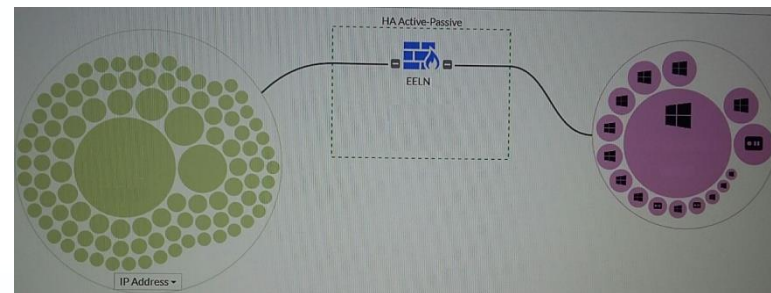
Dynamic NAV / ERP



Information systems in NLWE

Domain

- EELN
- Define groups and users
- Who can access what
- Mail Server



Information systems in NLWE

X7

- Information about customers
- Billing and Collecting System
- First implemented in NLWE in 2004
- Oracle based system

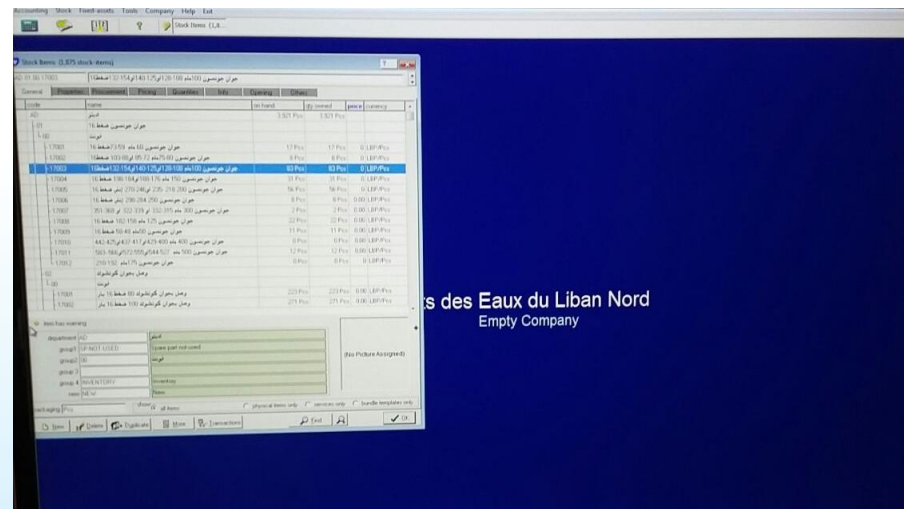
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03/02/2018	عادي	فاتورة دورية	10004951513	138,750	31/10/2018	138,750	138,750
04/08/2017	عادي	ضريبة/طوابع	15504789906	1,500	12/11/2017	1,500	1,500
04/08/2017	عادي	الغاء خدمة نقدا	9915504789906	1,500	04/08/2017	1,500	1,500
04/08/2017	عادي	ضريبة/طوابع	15504789903	1,500	12/11/2017	1,500	1,500
04/08/2017	عادي	الغاء خدمة نقدا	9915504789903	1,500	04/08/2017	1,500	1,500
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31/10/2016	بحصل/ج	ضريبة/طوابع	15504335030	1,094	08/02/2017	1,094	1,094
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Information systems in NLWE

PIMS

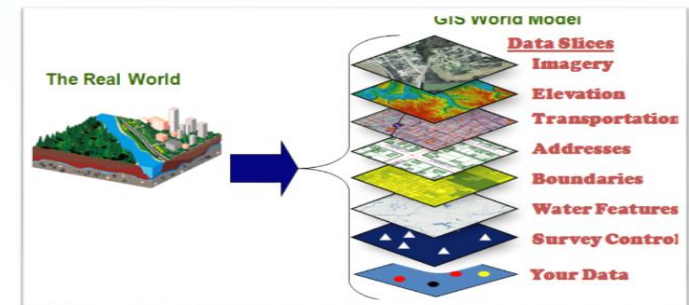
- Stock management system
- Info about fixed assets
- Info about all other materials (tools, machines, etc...)
- Also an accounting system



Information systems in NLWE

GIS

- Geographic Information System
- ArcGIS for Desktop Basic:
 - Water infrastructure
 - Wastewater infrastructure
 - Basemaps
 - Maintenance operations
- Reporting and Analysis
- Link with the customers IS



Information systems in NLWE

MS Dynamic NAV/ERP

- ERP: Enterprise Resources Planning
- MS Dynamic NAV:
 - Integration of DATA
 - Financial system
 - Management



What's Next?

- ERP Improvement
- WaterCAD: for Modeling and Analysis
- Improving water management: funded by FAO
- Implementation of SCADA for remote control and monitoring



Thank you

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