Asset Management Advisory Services to Water Utilities in South-Eastern Europe

SEEAM Program Results & Way Forward– Way forward Continuing AM activities after SEEAM

06.2022

Presenter:
Dr. Petros Kolovopoulos

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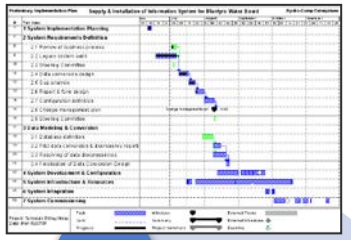
Program Description
Stages & Modules



Stage 1 (Year 1):

To assist Utilities in setting up and maintaining a validated network geographical database, effectively performing proper Network Data Management as well as understand components of Integrated Asset Management (IAM).

Stage 2 (Year 2):

To enable (a) Maintenance Management for improving productivity and efficiency of the maintenance function and service delivery as well as for registering maintenance problems for further use in Rehabilitation/ Maintenance Planning (Stage 3)

Stage 3:

Last stage will enable the main activities of Integrated Asset Management namely: (a) Distribution/ NRW Management, (b) Operations

And introduce (a) Financial Asset Management (c) Asset Rehabilitation Planning

EDAMS Technology
Network Data Management

EDAMS Technology
Maintenance Management

EDAMS Technology
Distribution Management NRW

EDAMS Technology
Financial Asset Management

EDAMS Technology
Distribution Management Operations

EDAMS Technology
Rehabilitation Planning

EDAMS Technology
Upgrading/ new version of MMS

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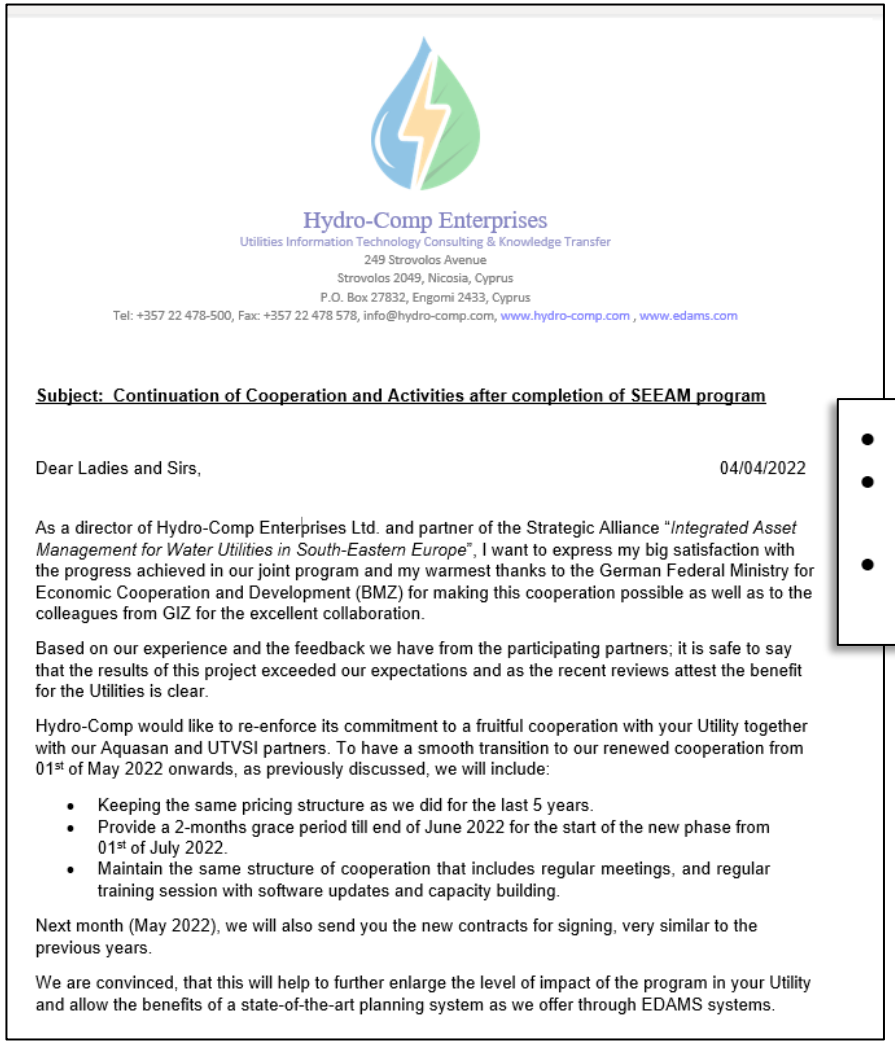
EDAMS – AM Program (Post-SEEAM)

The Way forward



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Subject: Continuation of Cooperation and Activities after completion of SEEAM program

Dear Ladies and Sirs, 04/04/2022

As a director of Hydro-Comp Enterprises Ltd. and partner of the Strategic Alliance "*Integrated Asset Management for Water Utilities in South-Eastern Europe*", I want to express my big satisfaction with the progress achieved in our joint program and my warmest thanks to the German Federal Ministry for Economic Cooperation and Development (BMZ) for making this cooperation possible as well as to the colleagues from GIZ for the excellent collaboration.

Based on our experience and the feedback we have from the participating partners; it is safe to say that the results of this project exceeded our expectations and as the recent reviews attest the benefit for the Utilities is clear.

Hydro-Comp would like to re-enforce its commitment to a fruitful cooperation with your Utility together with our Aquasan and UTVSI partners. To have a smooth transition to our renewed cooperation from 01st of May 2022 onwards, as previously discussed, we will include:

- Keeping the same pricing structure as we did for the last 5 years.
- Provide a 2-months grace period till end of June 2022 for the start of the new phase from 01st of July 2022.
- Maintain the same structure of cooperation that includes regular meetings, and regular training session with software updates and capacity building.

Next month (May 2022), we will also send you the new contracts for signing, very similar to the previous years.

We are convinced, that this will help to further enlarge the level of impact of the program in your Utility and allow the benefits of a state-of-the-art planning system as we offer through EDAMS systems.

- Keeping the same pricing structure as we did for the last 5 years.
- Provide a 2-months grace period till end of June 2022 for the start of the new phase from 01st of July 2022.
- Maintain the same structure of cooperation that includes regular meetings, and regular training session with software updates and capacity building.

EDAMS – AM Program (Post-SEEAM)

The Way forward - Timeline

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EDAMS – AM Program (Post-SEEAM)

The Way forward - Services

Cloud solution provides major benefits for Utilities, i.e.:

- **Better utilization of resources.**
- **Frees administrative resources by outsourcing non-core applications**
- **Reduces IT capital requirements with an elastic pay-as-you-go operating expense model**
- **Improves data protection with best possible IT Admin services (backup and disaster recovery)**

The EDAMS Software and Utilities databases will be hosted on Amazon Elastic Compute Cloud (Amazon EC2) servers.

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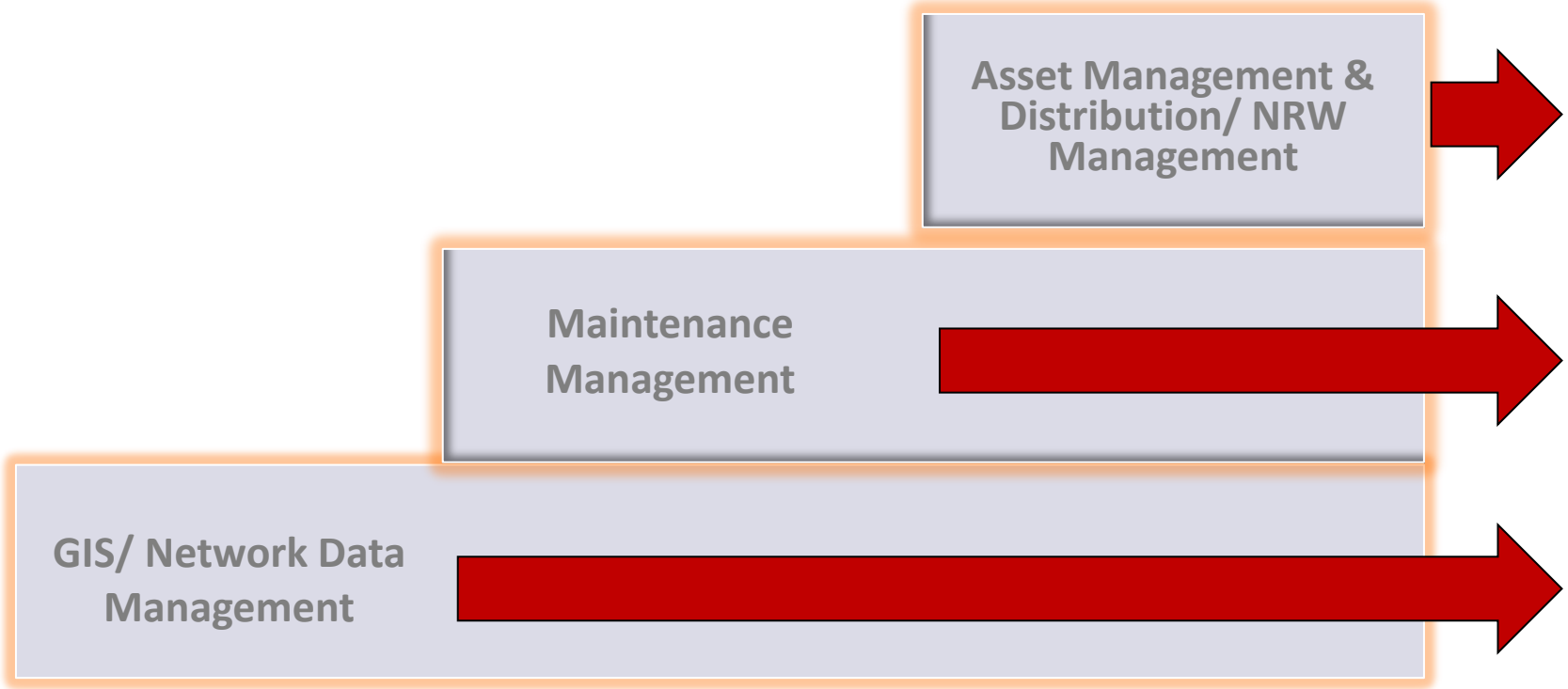
EDAMS – AM Program (Post-SEEAM)

The Way forward – Program Activities Continuation

Type	*Description of Services*
Annual Services	Remote Support User-Group Workshops
EDAMS Product Services	Weekly back-ups of the Client's database on the hosting server. 30 Gb of additional free storage on the cloud for the storage of documents related to assets (photos, assessments, reports etc.) Product Upgrades and Documentation Updates. Access to EDAM Forum with a wealth of user information as well as Questions & Answers providing immediate answers to the most commonly asked questions. Submission of Support Requests to the Hydro-Comp's Call Centres or through the web and receive support help for any software problems.

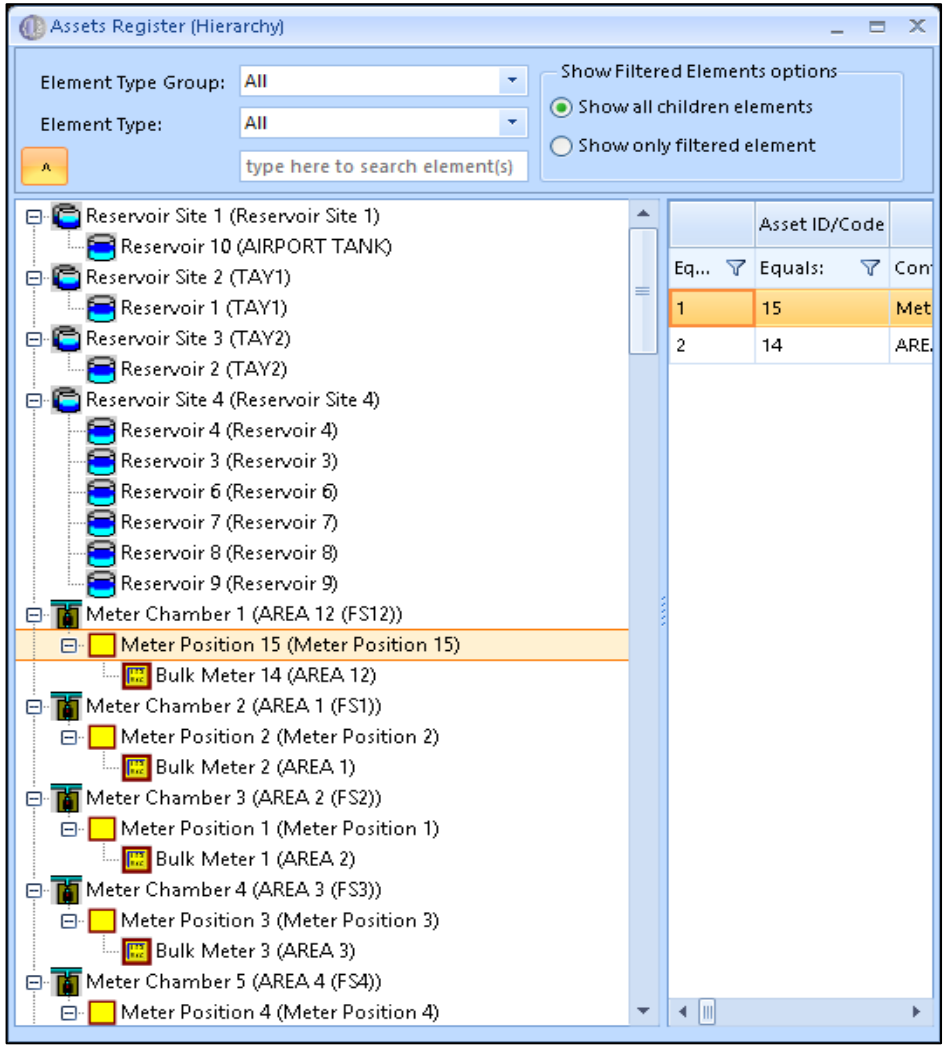
EDAMS – AM Program (Post-SEEAM)

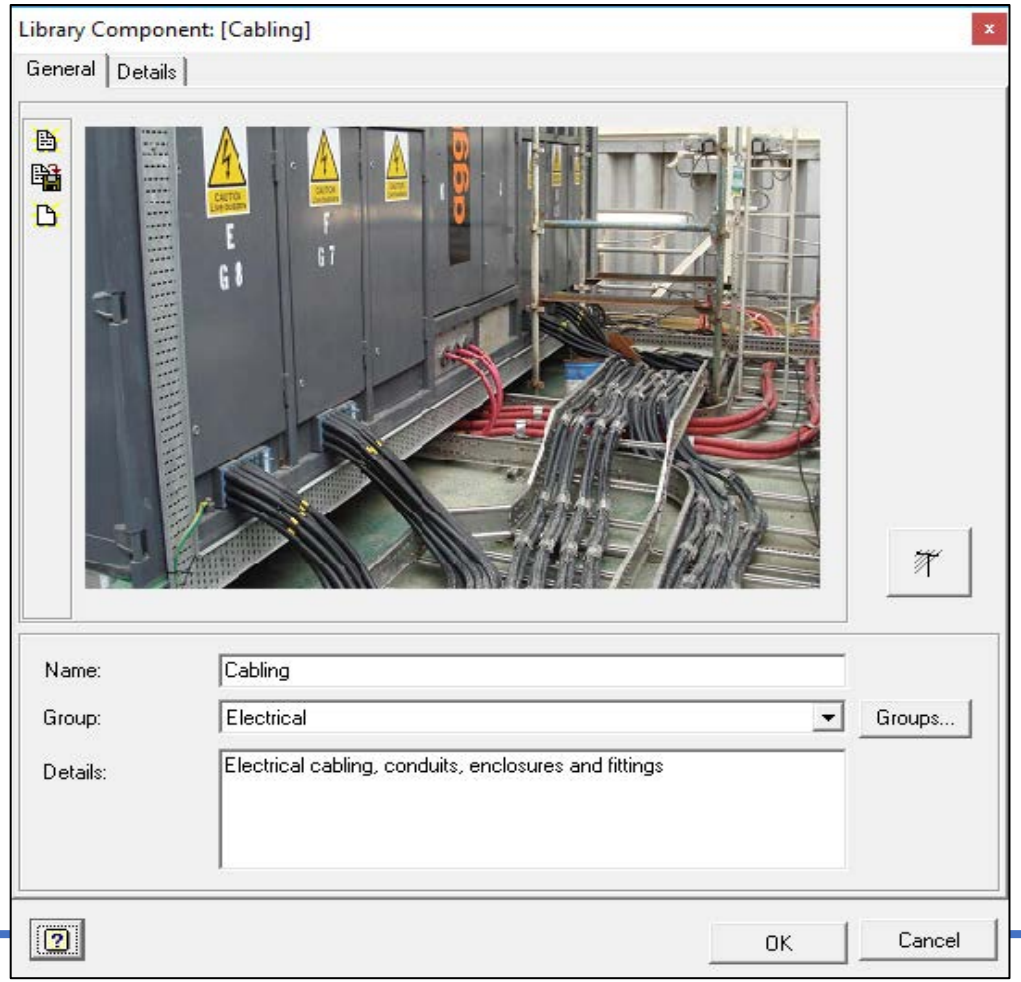
The Way forward – Continuation of Activities



EDAMS – AM Program (Post-SEEAM)

The Way forward – Silver Stage >Facilities Management





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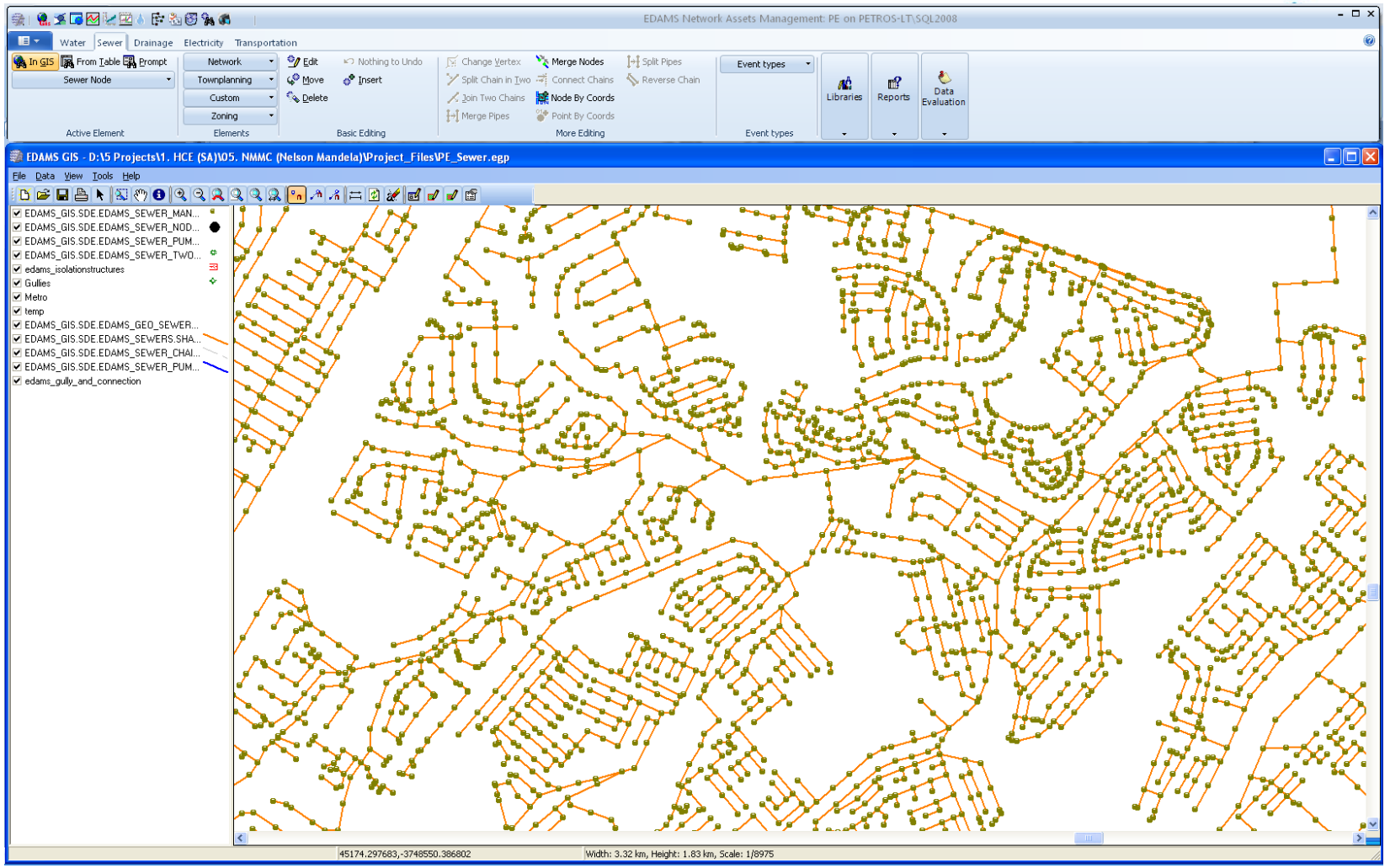
EDAMS – AM Program (Post-SEEAM)

The Way forward – Silver Stage >Sewer Systems



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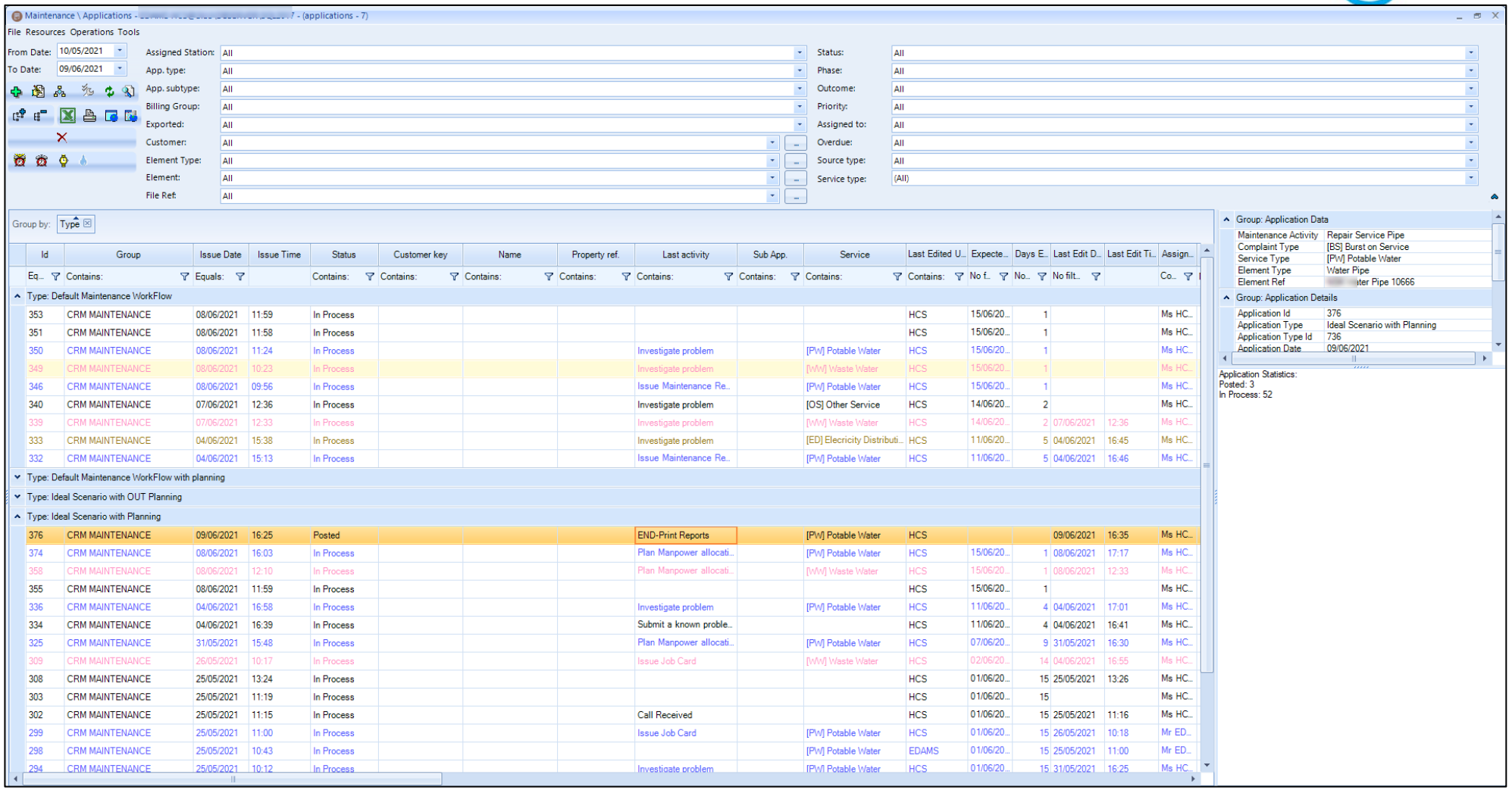
EDAMS – AM Program (Post-SEEAM)

The Way forward – Gold Stage > Upgrading of EDAMS-MMS

- User-friendly control main screen customizable per user



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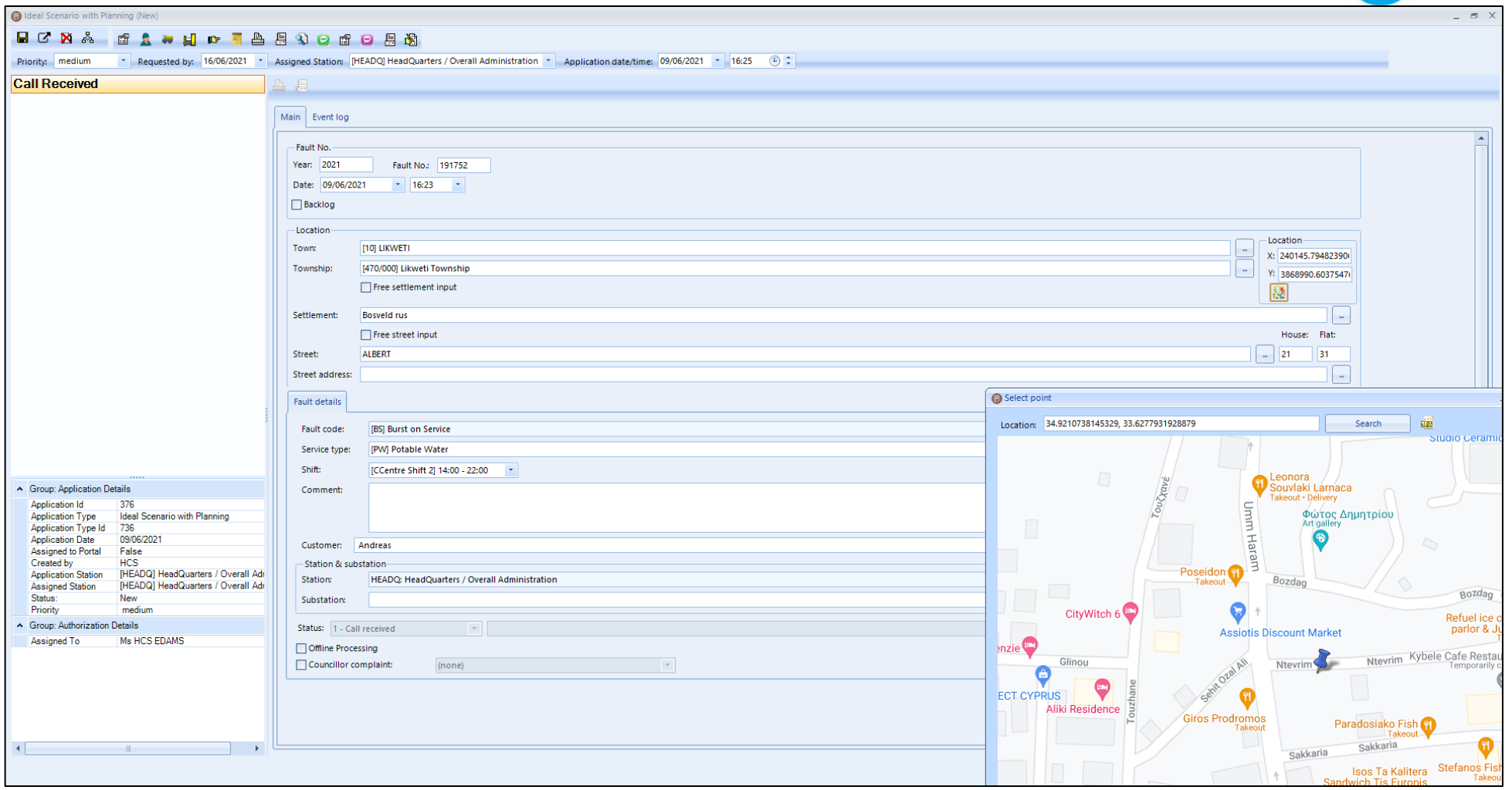
EDAMS – AM Program (Post-SEEAM)

The Way forward – Gold Stage > Upgrading of EDAMS-MMS

- The EDAMS MMS system was rebuilt on top of the powerful EDAMS-CRM solution for customer services



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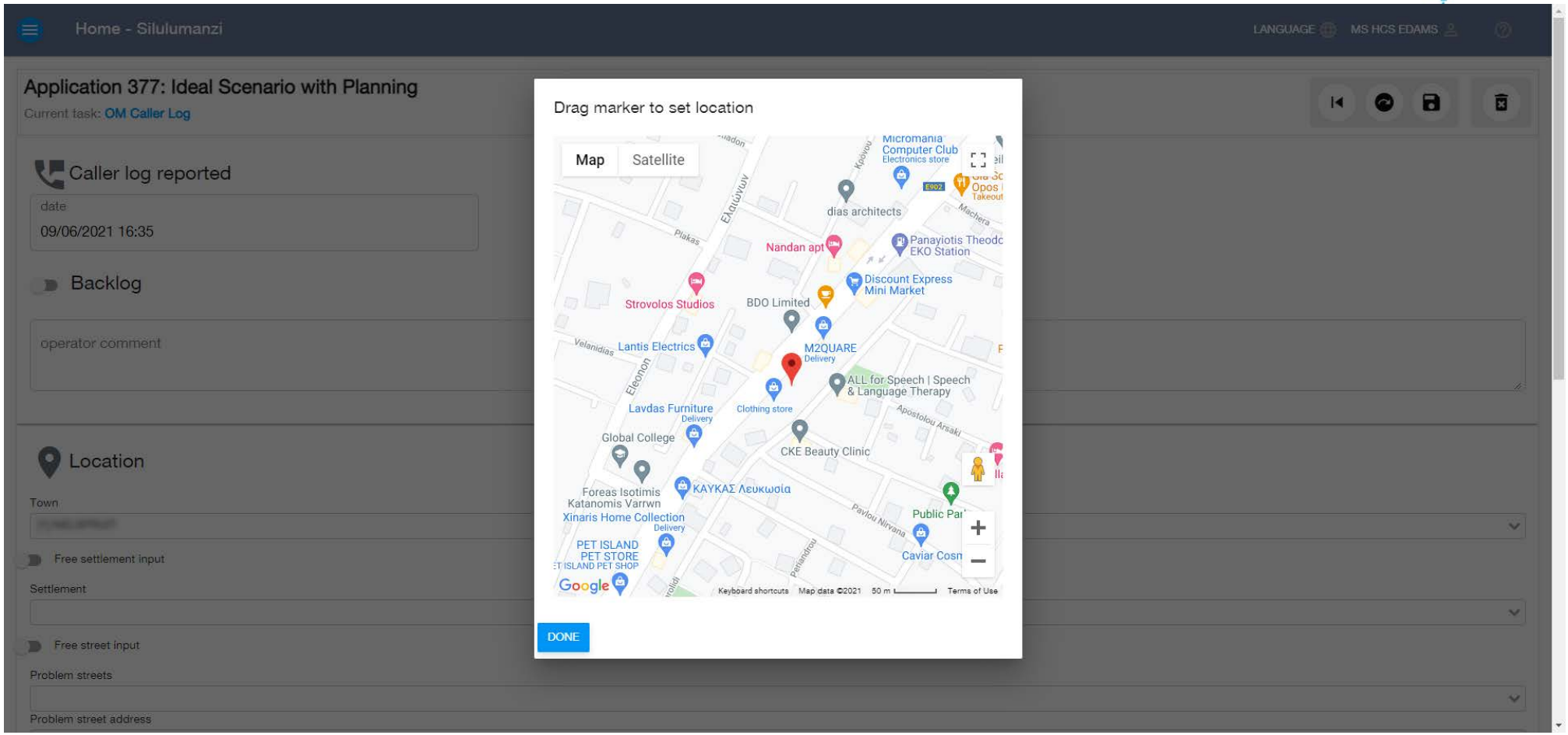
EDAMS – AM Program (Post-SEEAM)

The Way forward – Gold Stage > Upgrading of EDAMS-MMS

- Fully web-enabled with access to maps and google



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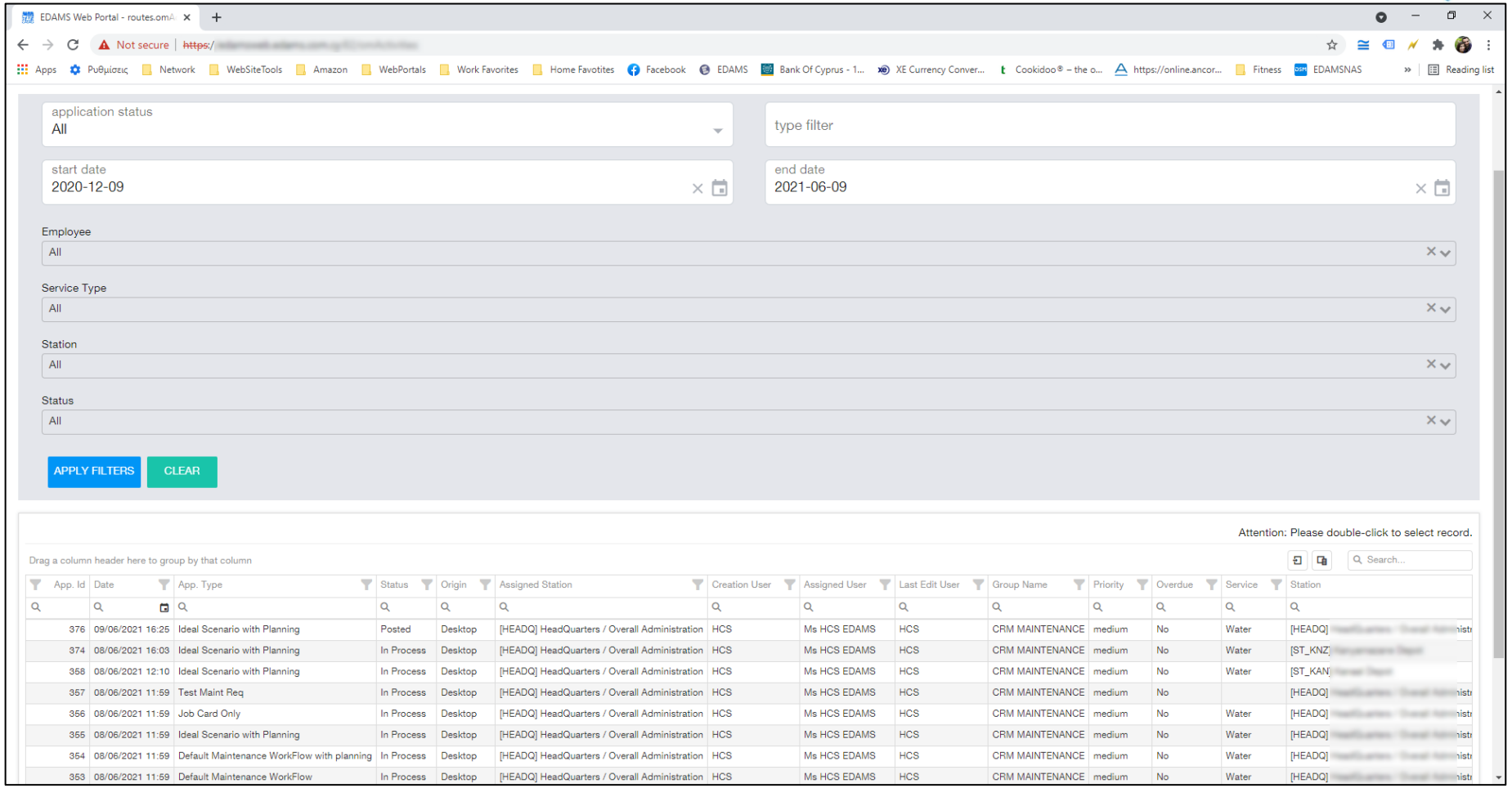
EDAMS – AM Program (Post-SEEAM)

The Way forward – Gold Stage > Upgrading of EDAMS-MMS

- Accessible from tablets, phones or laptop/desktop computers. Ideal for field work.



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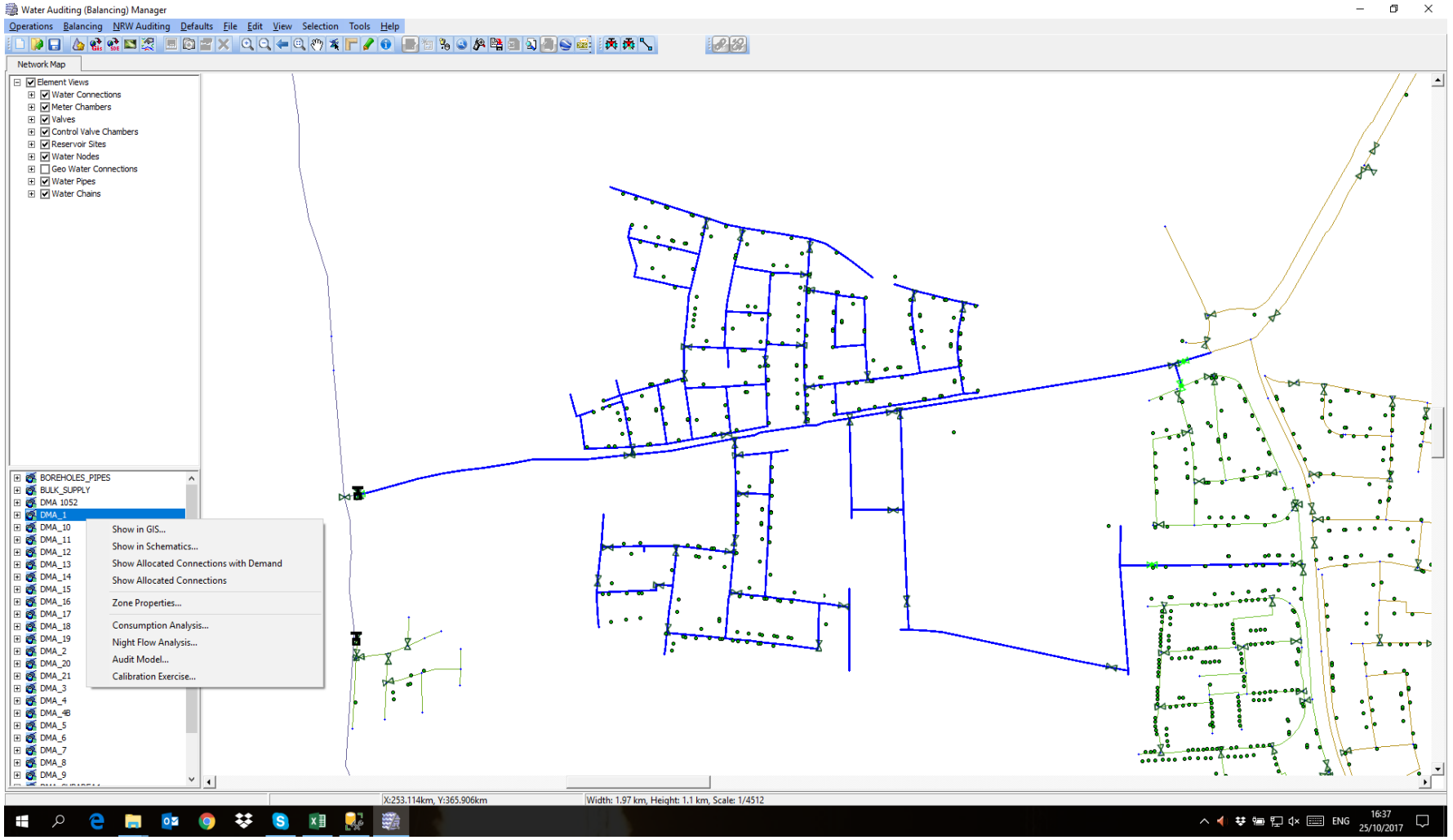
The Way forward – Platinum Stage >DMA Balancing



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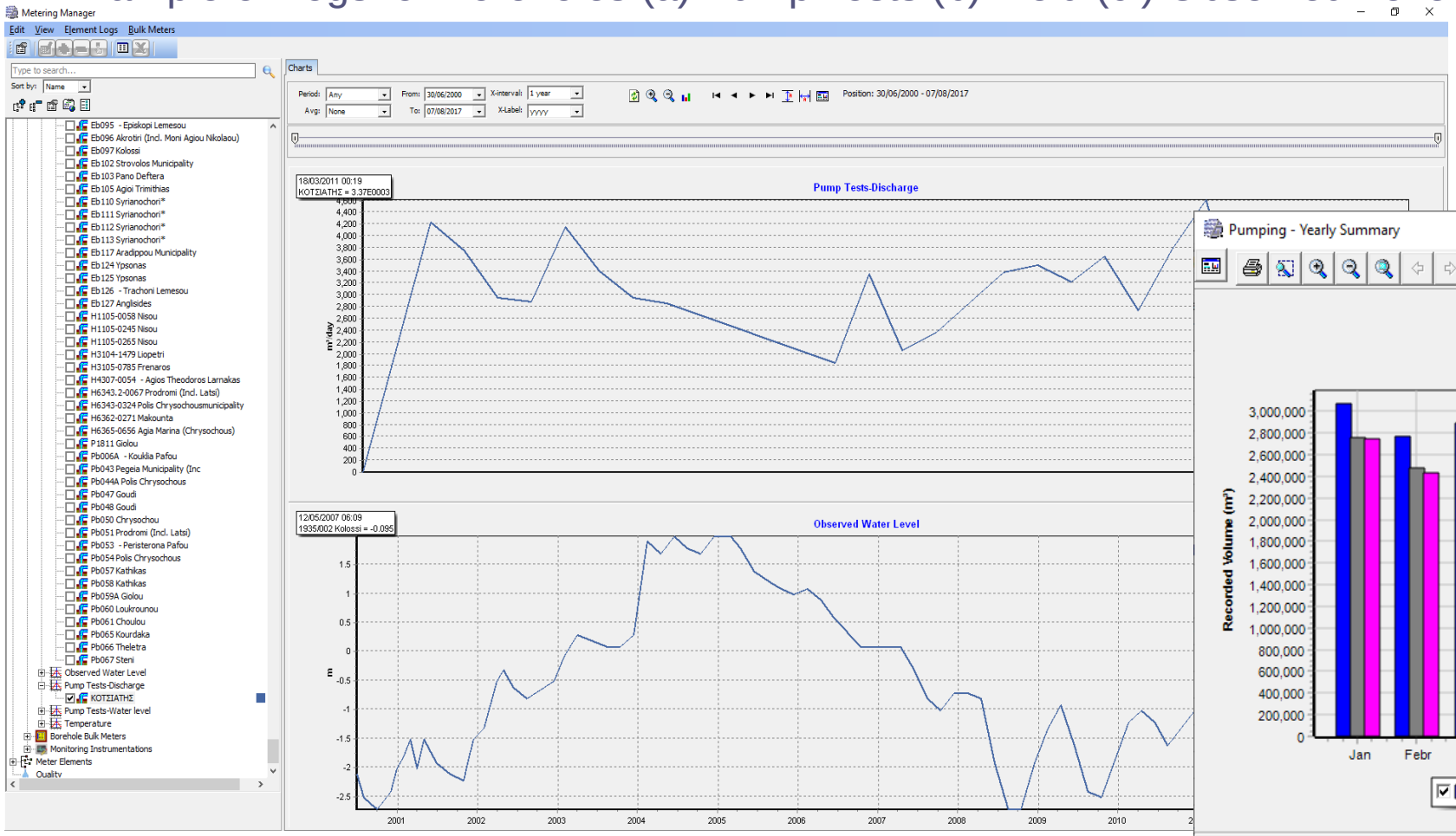
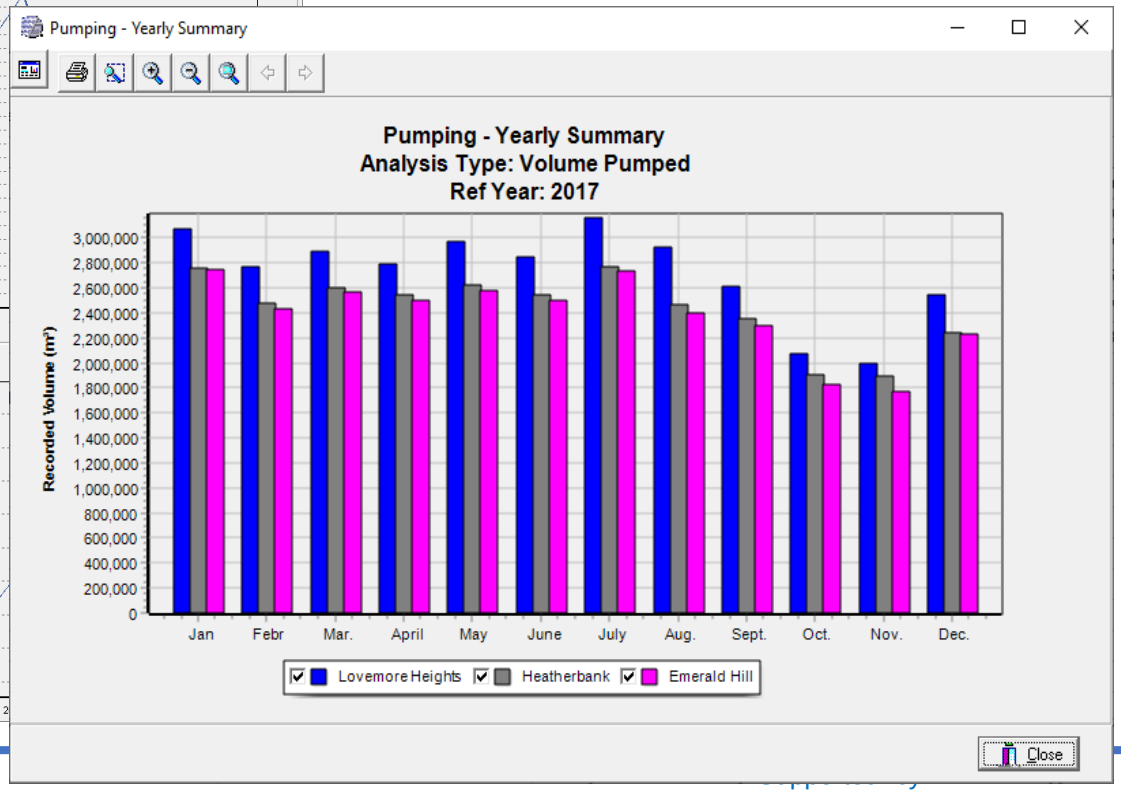
The Way forward – Platinum Stage >Logs Management

- Example of Logs for Boreholes (a) Pump Tests (b) Yield (c) Observed Level





EDAMS – AM Program (Post-SEEAM)

The Way forward – Platinum Stage > Integration with Financial System

ASSET ID	DESCRIPTION	STATUS	ACQUISITION DATE YYYY-MM-DD	DATE IN OPERATION YYYY-MM-DD	CATEGORY	CATEGORY DESCRIPTION	LOCATION	LOCATION NAME	COST CENTER	COST CENTER DESCRIPTION	LIFE	BOOK VALUE
CPE-000323	HP LASERJET 21000	DISPOSED	31/12/2001	31/07/2015	CPE	Computer Equipment	SNFACC	Senior Financial Accountant	360	Deprectn Of Fixed Assts - General Management	4	ZMK 3,335.54
CPE-000324	HP LASERJET 2100	READY TO DISPOSE	31/12/2001	31/12/2016	CPE	Computer Equipment	GM	General Manager- Kafue	360	Deprectn Of Fixed Assts - General Management	4	ZMK 3,335.54
CPE-000325	HP LASERJET 6P PRINTER	READY TO DISPOSE	26/11/1997	31/12/2016	CPE	Computer Equipment	MACHI2	Manchinchi Two	210	Deprectn Of Fixed Assts - Manchinchi Sewerage Cleaning & Rep	4	ZMK 2,061.77
CPE-000326	HP LASERJET 6P PRINTER	DISPOSED	26/11/1997	31/07/2015	CPE	Computer Equipment	AUDIT	Auditing	370	Deprectn Of Fixed Assts - Internal Audit	4	ZMK 2,061.77
CPE-000330	HP DESKJET 1220C PRINTER	DISPOSED	31/12/2001	31/07/2015	CPE	Computer Equipment	HQ	Headquaters	265	Deprectn Of Fixed Assts - Technical Services	4	ZMK 2,840.40
CPE-000342	HP LASERJET 2100 PRINTER	DISPOSED	31/12/2001	31/07/2015	CPE	Computer Equipment	MGRCEN	Manager- Central	465	Deprectn Of Fixed Assts - Central	4	ZMK 3,335.54
CPE-000343	HP LASERJET 2100 PRINTER	READY TO DISPOSE	31/12/2001	31/12/2016	CPE	Computer Equipment	MGRCEN	Manager- Central	465	Deprectn Of Fixed Assts - Central	4	ZMK 3,335.54
CPE-000344	HP DESKJET 690 PRINTER	READY TO DISPOSE	31/12/2001	31/12/2016	CPE	Computer Equipment	WDPP	Woodlands Pay Point	460	Deprectn Of Fixed Assts - Kabulonga	4	ZMK 2,180.87
CPE-000345	HP CD WRITER	READY TO DISPOSE	31/12/2001	31/12/2016	CPE	Computer Equipment	IT	Zain First Hq	555	Deprectn Of Fixed Assts - Management Information Systems (Mi	4	ZMK -
CPE-000347	HP LASERJET 2100 PRINTER	READY TO DISPOSE	31/12/2001	31/12/2016	CPE	Computer Equipment	PIU	Project Implimentation	350	Deprectn Of Fixed Assts - Piu	4	ZMK 3,335.54
CPE-000348	HP LASERJET 2100 PRINTER	READY TO DISPOSE	31/12/2001	31/12/2016	CPE	Computer Equipment	TS	Technical Services	275	Deprectn Of Fixed Assts - Security - Network Efficiency	4	ZMK 3,335.54
CPE-000349	CPE350	READY TO DISPOSE	31/12/2001	31/12/2016	CPE	Computer Equipment	LWW	Lusaka Water Works	550	Deprectn Of Fixed Assts - Stores	4	ZMK 2,840.87
CPE-000350	HP LASERJET 2100 PRINTER	READY TO DISPOSE	31/12/2001	31/12/2016	CPE	Computer Equipment	LWW	Lusaka Water Works	400	Deprectn Of Fixed Assts - Laboratory - Portable Water Service	4	ZMK 3,335.54
CPE-000352	HP LASERJET 6P PRINTER	DISPOSED	30/09/1997	31/07/2015	CPE	Computer Equipment	LWW	Lusaka Water Works	305	Deprectn Of Fixed Assts - Other Fees&Subscrptn - Mechanical	4	ZMK 2,061.77
CPE-000354	HP LASERJET 6L PRINTER	DISPOSED	30/09/1997	31/07/2015	CPE	Computer Equipment	MGTACC	Management Accountant	505	Deprectn Of Fixed Assts - Management Accounting	4	ZMK 2,061.77

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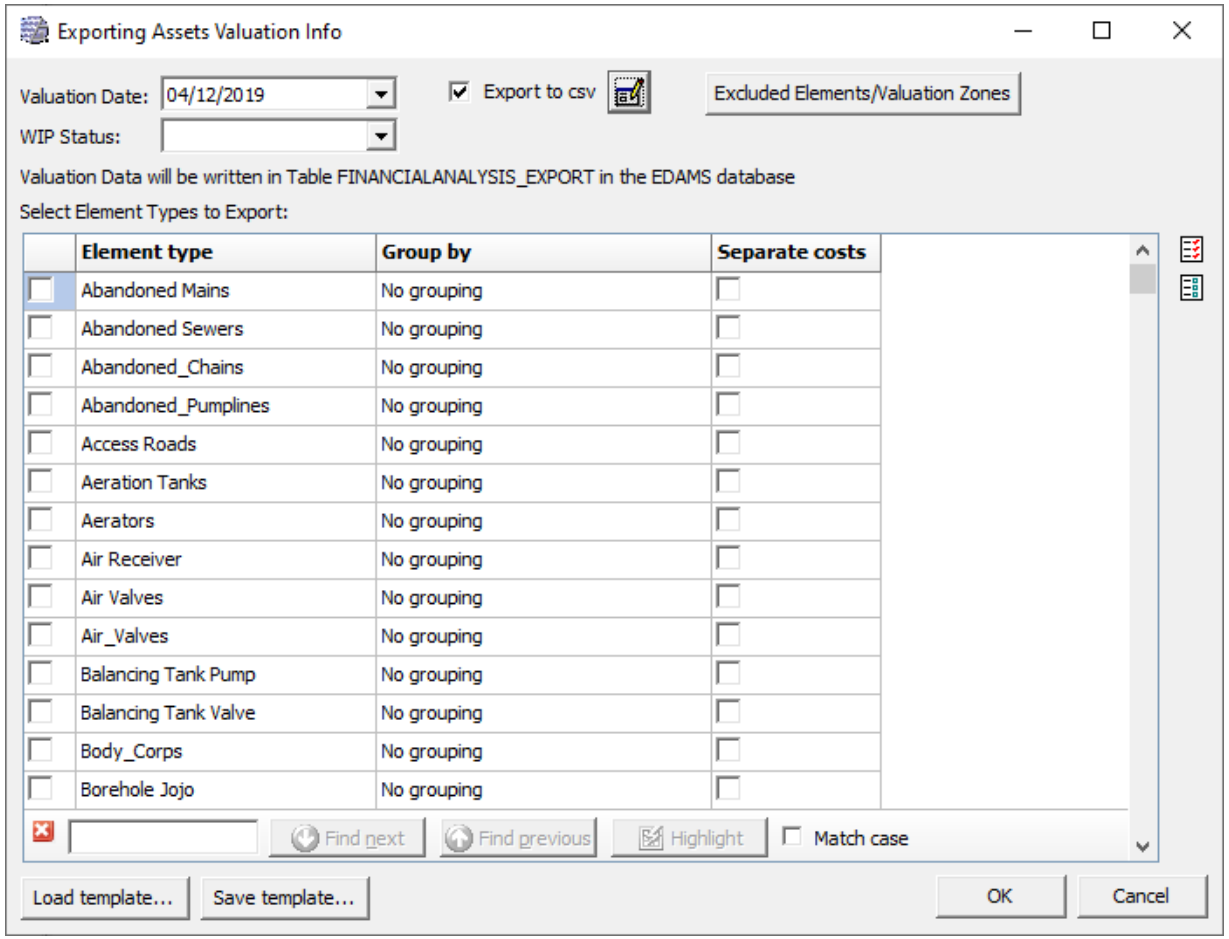
EDAMS – AM Program (Post-SEEAM)

The Way forward – Platinum Stage > Integration with Financial System

- EDAMS will export information for groups of assets as defined in the Financial System. Appropriate mapping and routines can be customized.
- A lot of information can be exported with the main information being;
  - (a) Replacement Cost
  - (b) Remaining useful life
  - (c) Current Value



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EDAMS – AM Program (Post-SEEAM)

The Way forward – Product Services > Upgrading of Reporting

Asset Management Advisory Services to Water Utilities in South-Eastern Europe (SEEAM)

Weekly Audit Trail Report

Audit Trail - Detailed

Start date: 16/10/2017

User Name	Employee Name	Login Date	Logout Date
JURICA	Jurica Petrovic	16/10/2017 8:24:56	16/10/2017 8:29:39
JURICA	Jurica Petrovic	16/10/2017 8:31:57	16/10/2017 9:48:23
JURICA	Jurica Petrovic	16/10/2017 9:48:38	16/10/2017 14:08:47
JURICA	Jurica Petrovic	16/10/2017 14:08:55	16/10/2017 14:09:18
JURICA	Jurica Petrovic	17/10/2017 7:07:01	17/10/2017 12:28:12
UTVSI	UTVSI (HUB)	17/10/2017 9:10:59	
JURICA	Jurica Petrovic	17/10/2017 12:49:18	17/10/2017 12:52:33
UTVSI	UTVSI (HUB)	17/10/2017 13:08:42	17/10/2017 13:39:03
NEMANJA	Nemanja Vlaisavljevic	17/10/2017 13:32:09	17/10/2017 13:32:51
JURICA	Jurica Petrovic	17/10/2017 13:38:41	17/10/2017 14:12:15
JURICA	Jurica Petrovic	18/10/2017 7:06:16	18/10/2017 14:34:44
JURICA	Jurica Petrovic	19/10/2017 7:07:41	19/10/2017 12:16:25
UTVSI	UTVSI (HUB)	19/10/2017 9:14:17	
JURICA	Jurica Petrovic	19/10/2017 12:42:31	
JURICA	Jurica Petrovic	19/10/2017 13:57:15	19/10/2017 13:58:30
JURICA	Jurica Petrovic	20/10/2017 8:16:36	20/10/2017 10:38:47
UTVSI	UTVSI (HUB)	20/10/2017 10:05:50	
JURICA	Jurica Petrovic	20/10/2017 10:38:58	20/10/2017 13:58:58
UTVSI	UTVSI (HUB)	20/10/2017 13:50:52	20/10/2017 13:54:00
UTVSI	UTVSI (HUB)	20/10/2017 13:54:12	
USER1	User1 User1	23/10/2017 8:43:06	23/10/2017 8:51:21
USER1	User1 User1	23/10/2017 13:24:49	23/10/2017 13:37:41

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Asset Management Advisory Services to Water Utilities in South-Eastern Europe (SEEAM)

Weekly Discrepancies Report

Utility: LOZNICA

Water Elements Summary

Date	Length of pipes (km)	Reservoir sites	Pump stations	Borehole sites	Valves	Hydrants	Control valve chambers	Supply points	Air valves	Relief devices	Meter chambers	Geowater connections
23/10/2017	755.29	0	1	0	119	1	1	0	5	0	1	1
16/10/2017	755.47	0	1	0	96	1	1	0	2	0	1	0
09/10/2017	754.49	0	1	0	46	1	1	0	1	0	1	0
02/10/2017	754.21	0	1	0	42	1	1	0	1	0	1	0
25/09/2017	752.25	0	1	0	31	1	1	0	0	0	1	0

Water Network Summary

Date	Water connectivity errors	Water connectivity warnings	Water connectivity hints	Water static errors	Water static warnings	Water static hints	Water design/ planning errors	Water design/ planning warnings	Water design/ planning hints
23/10/2017	7,928	170	0	3,927	20,349	0	0	418	328
16/10/2017	7,919	160	0	3,930	20,621	0	0	421	328
09/10/2017	7,745	139	0	3,951	21,038	0	0	425	327
02/10/2017	7,924	131	0	3,968	21,485	0	0	421	324
25/09/2017	7,956	116	0	3,969	21,677	0	0	415	319

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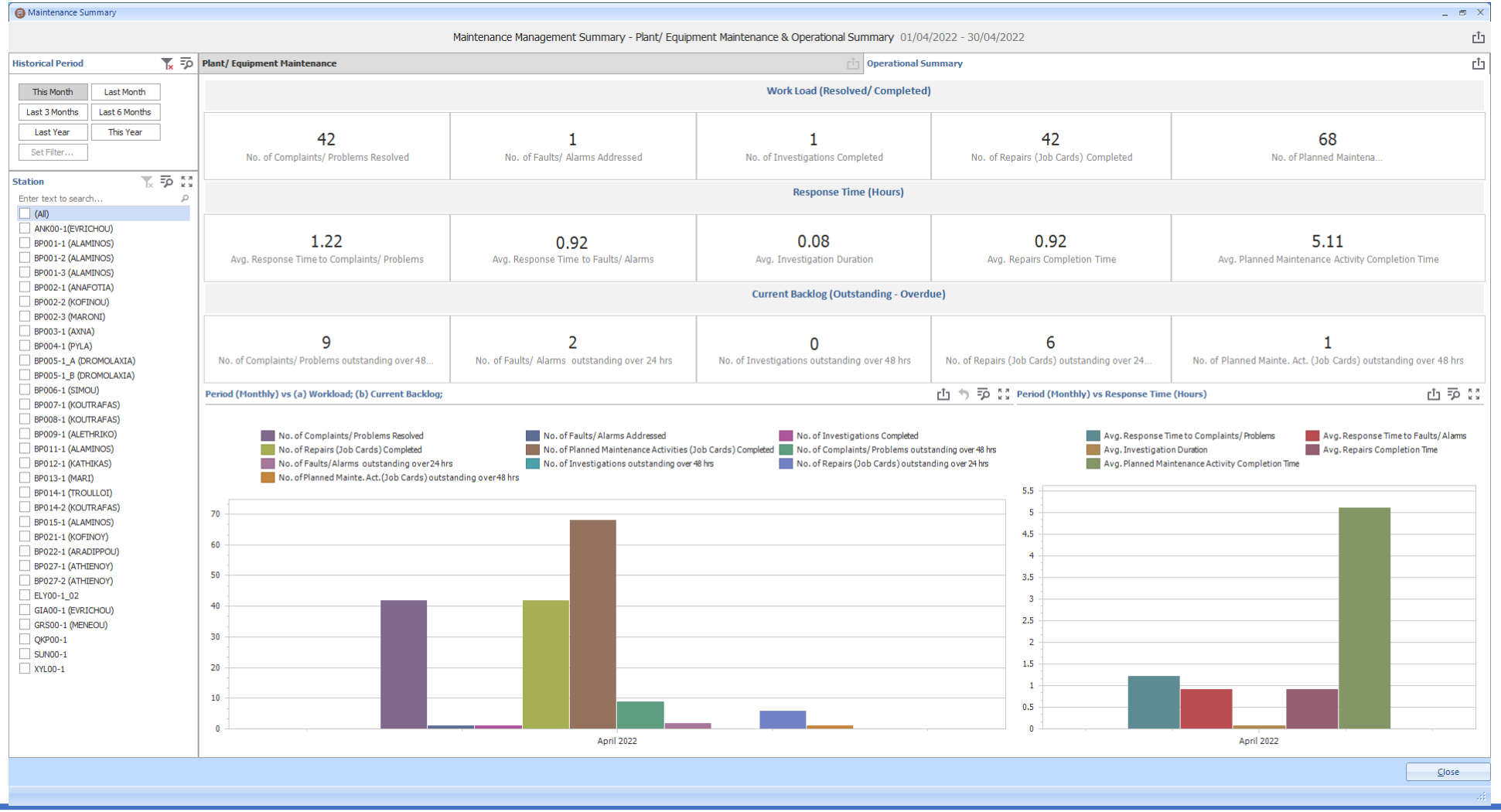
The Way forward – Product Services > Dashboards



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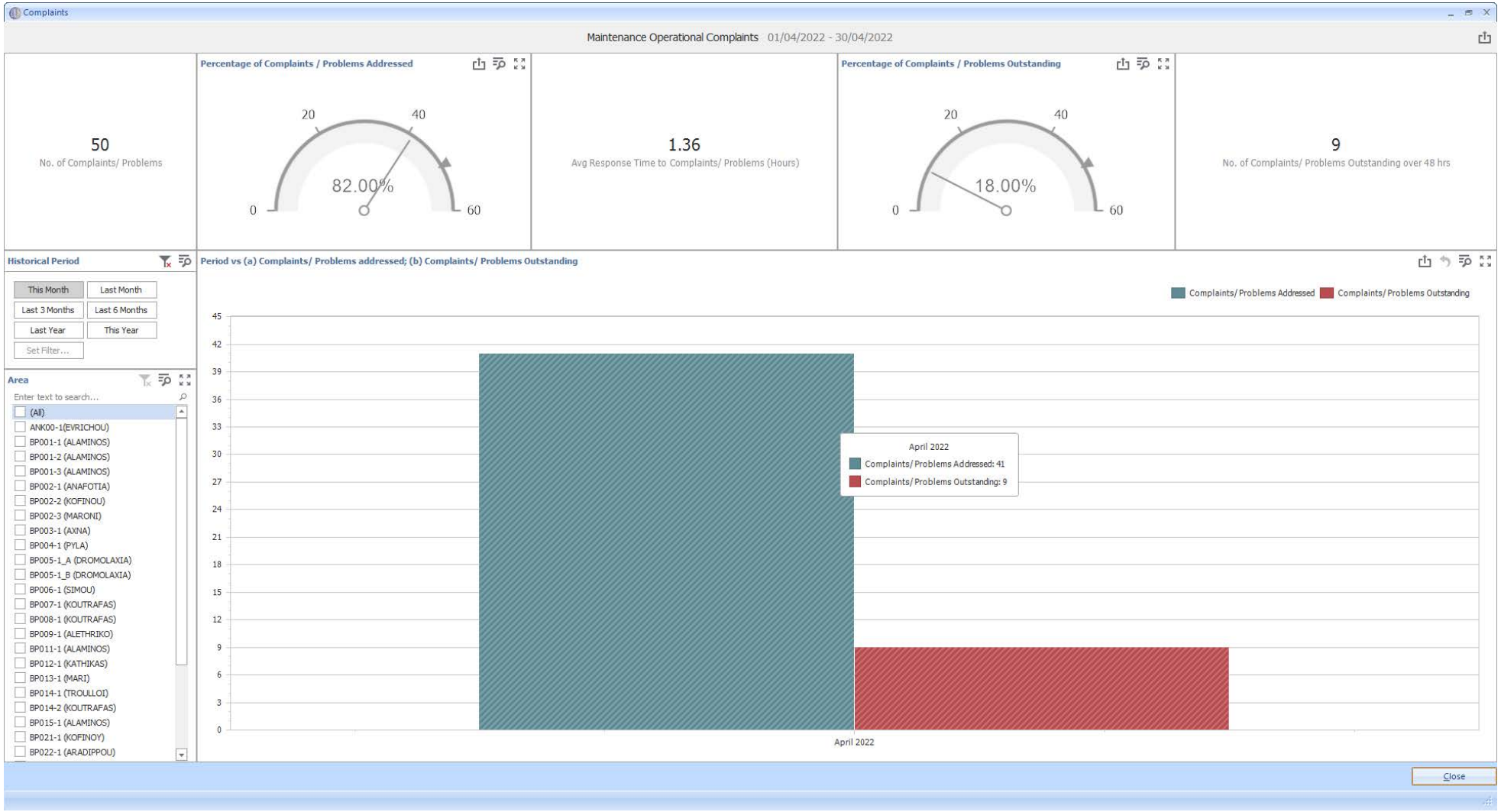
The Way forward – Product Services > Dashboards



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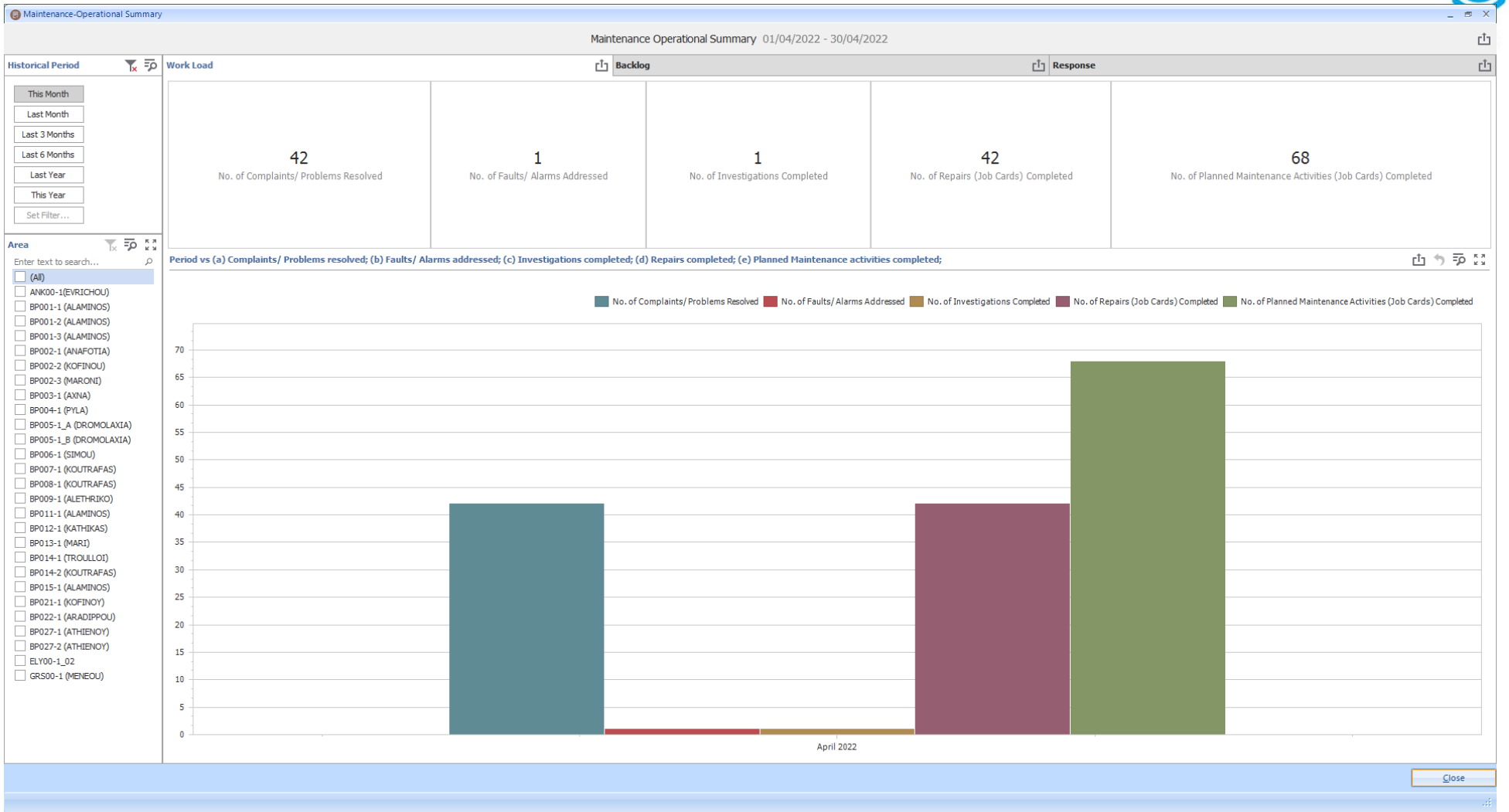
The Way forward – Product Services > Dashboards



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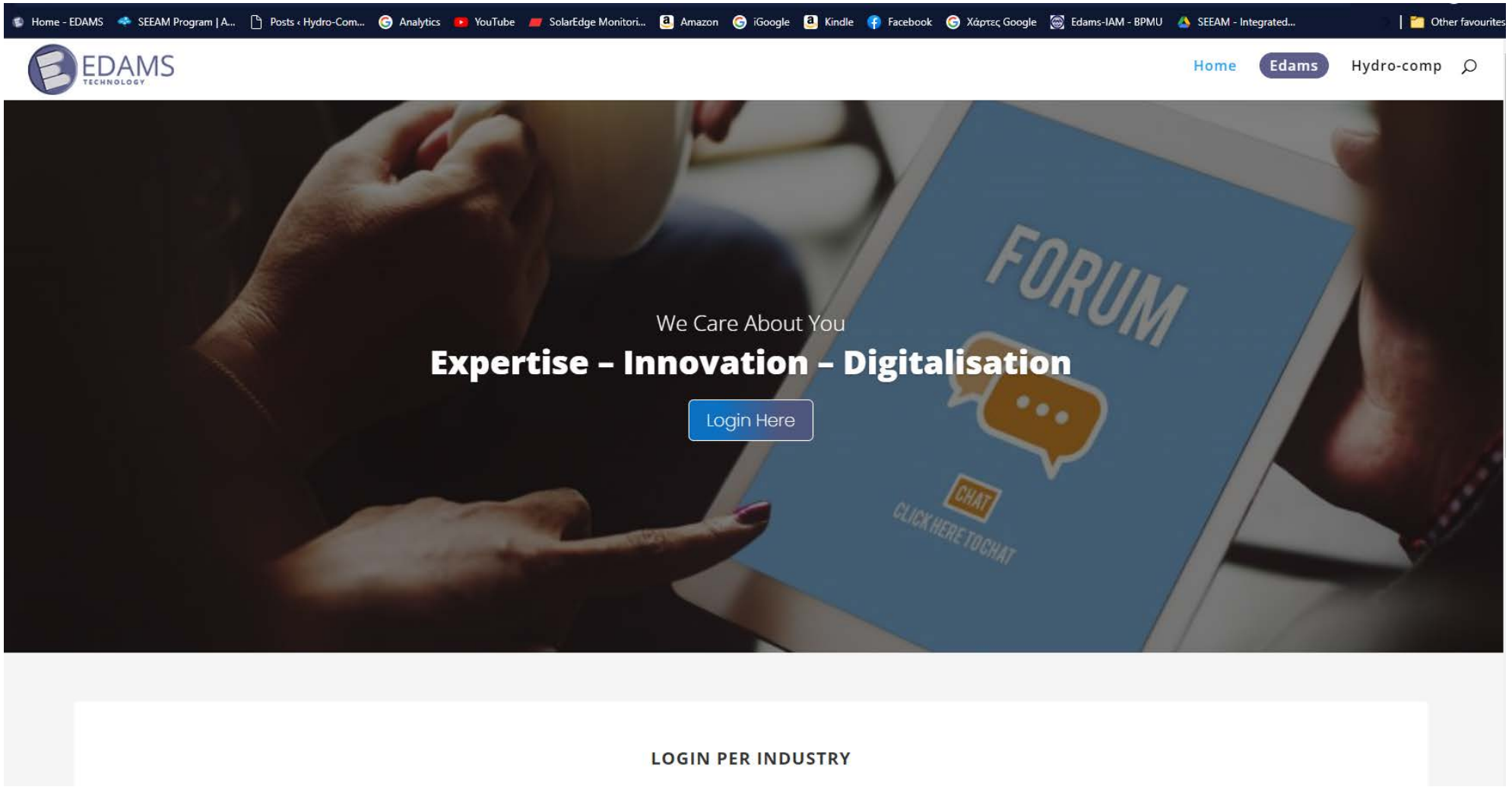
The Way forward – Product Services > Forum



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