

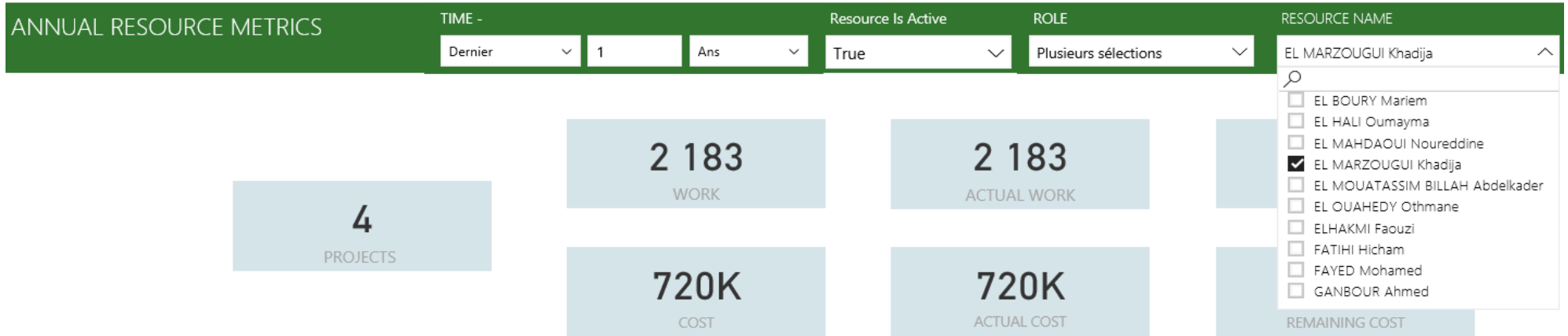
MSP ONLINE



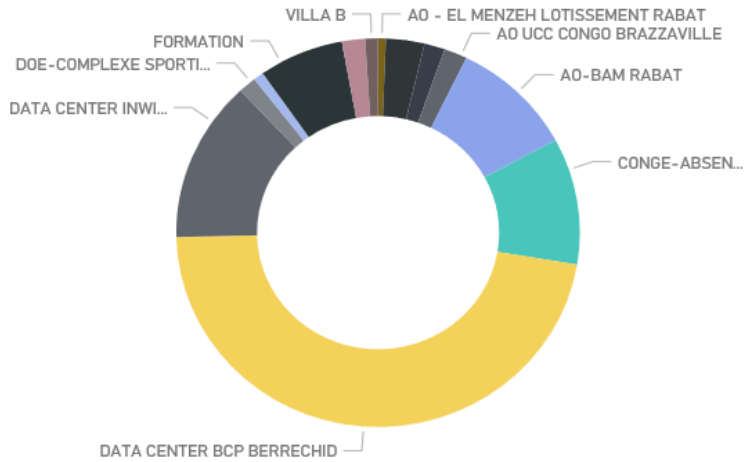
EXAMPLE OF A PROJECT PORTFOLIO DASHBOARD (2018) WITH THE COST / WORK / SCHEDULE HEALTH STATUS OF EACH PROJECT

PROJECT COUNT 39	PORTFOLIO DASHBOARD																																																																																																																																																																																																																										
	ETAT DU PROJET PROJETS EN COURS			PROJECT NAME Tout			PROJECT OWNER Tout																																																																																																																																																																																																																				
PROJECT COST 27M <small>LOCAL CURRENCY</small>	<table border="1"> <thead> <tr> <th>PROJECT NAME</th> <th>PROJECT OWNER</th> <th>START DATE</th> <th>FINISH DATE</th> <th>COST</th> <th>COST HEALTH</th> <th>WORK HEALTH</th> <th>SCHEDULE HEALTH</th> <th>% Work Completed</th> <th></th> </tr> </thead> <tbody> <tr> <td>ANP ALHOCEIMA</td> <td>EL MAFKOUK Hicham</td> <td>07/11/2018</td> <td>28/11/2018</td> <td>2 970</td> <td>●</td> <td>●</td> <td>●</td> <td>100</td> <td>🔗</td> </tr> <tr> <td>BP OUJDA</td> <td>ARAZAD Mohamed</td> <td>24/08/2017</td> <td>06/12/2018</td> <td>497 655</td> <td>●</td> <td>●</td> <td>●</td> <td>100</td> <td>🔗</td> </tr> <tr> <td>CENTRE DE FORMATION - TIFELET</td> <td>EL MAFKOUK Hicham</td> <td>08/10/2018</td> <td>04/03/2019</td> <td>34 155</td> <td>●</td> <td>●</td> <td>●</td> <td>72</td> <td>🔗</td> </tr> <tr> <td>CHANTIER NAVAL PORT CASABLANCA</td> <td>ARAZAD Mohamed</td> <td>14/03/2018</td> <td>04/03/2019</td> <td>144 099</td> <td>●</td> <td>●</td> <td>●</td> <td>27</td> <td>🔗</td> </tr> <tr> <td>Commune TAHLA OUJDA</td> <td>KHAIY Rachid</td> <td>02/08/2018</td> <td>17/10/2018</td> <td>4 455</td> <td>●</td> <td>●</td> <td>●</td> <td>100</td> <td>🔗</td> </tr> <tr> <td>CONSERVATOIRE DE MUSIQUE RABAT</td> <td>EL MAFKOUK Hicham</td> <td>09/07/2018</td> <td>18/01/2019</td> <td>99 495</td> <td>●</td> <td>●</td> <td>●</td> <td>73</td> <td>🔗</td> </tr> <tr> <td>CUISINE LYDEX BEN GUERIR</td> <td>RADMY Youssef</td> <td>14/03/2018</td> <td>18/01/2019</td> <td>141 680</td> <td>●</td> <td>●</td> <td>●</td> <td>74</td> <td>🔗</td> </tr> <tr> <td>DAR-ESSEKAH</td> <td>EL MARZOUGUI Khadija</td> <td>04/02/2019</td> <td>19/04/2019</td> <td>1 027 688</td> <td>●</td> <td>●</td> <td>●</td> <td>1</td> <td>🔗</td> </tr> <tr> <td>DATA CENTER BCP BERRECHID</td> <td>ELHAKMI Faouzi</td> <td>15/05/2018</td> <td>01/06/2020</td> <td>2 485 455</td> <td>●</td> <td>●</td> <td>●</td> <td>51</td> <td>🔗</td> </tr> <tr> <td>DATA CENTER INWI RABAT</td> <td>EL MARZOUGUI Khadija</td> <td>01/11/2017</td> <td>05/12/2018</td> <td>504 245</td> <td>●</td> <td>●</td> <td>●</td> <td>100</td> <td>🔗</td> </tr> <tr> <td>DATE CENTER SENELEC</td> <td>EL MARZOUGUI Khadija</td> <td>08/01/2019</td> <td>14/01/2019</td> <td>2 970</td> <td>●</td> <td>●</td> <td>●</td> <td>100</td> <td>🔗</td> </tr> <tr> <td>DOE ABATTOIRS SAHEL -HAD SOUALEM</td> <td>ARRO Hassan</td> <td>07/02/2018</td> <td>23/02/2018</td> <td>24 885</td> <td>●</td> <td>●</td> <td>●</td> <td>93</td> <td>🔗</td> </tr> <tr> <td>DOE MARINA CASABLANCA</td> <td>ARRO Hassan</td> <td>19/02/2019</td> <td>22/02/2019</td> <td>200</td> <td>●</td> <td>●</td> <td>●</td> <td>0</td> <td>🔗</td> </tr> <tr> <td>DOE_ARRIBAT CENTER RABAT</td> <td>RADMY Youssef</td> <td>16/01/2018</td> <td>18/12/2018</td> <td>125 750</td> <td>●</td> <td>●</td> <td>●</td> <td>26</td> <td>🔗</td> </tr> <tr> <td>DOE-BAM RABAT</td> <td>HADDADE Mohammed Imad</td> <td>16/01/2018</td> <td>01/03/2019</td> <td>33 710</td> <td>●</td> <td>●</td> <td>●</td> <td>70</td> <td>🔗</td> </tr> <tr> <td>DOE-COMPLEXE SPORTIF MOHAMMED V CASABLANCA</td> <td>EL MARZOUGUI Khadija</td> <td>08/02/2018</td> <td>20/10/2018</td> <td>55 523</td> <td>●</td> <td>●</td> <td>●</td> <td>93</td> <td>🔗</td> </tr> <tr> <td>DOE-DATA CENTER INWI</td> <td>EL MARZOUGUI Khadija</td> <td>03/01/2019</td> <td>29/01/2019</td> <td>20 295</td> <td>●</td> <td>●</td> <td>●</td> <td>93</td> <td>🔗</td> </tr> <tr> <td>DOE-LGV KENITRA</td> <td>ARAZAD Mohamed</td> <td>16/01/2018</td> <td>03/05/2019</td> <td>401 928</td> <td>●</td> <td>●</td> <td>●</td> <td>84</td> <td>🔗</td> </tr> <tr> <td>DOE-LGV TANGER</td> <td>HADDADE Mohammed Imad</td> <td>16/01/2018</td> <td>21/02/2018</td> <td>5 400</td> <td>●</td> <td>●</td> <td>●</td> <td>67</td> <td>🔗</td> </tr> <tr> <td>ECLAIRAGE DU PARC DE L ECOLE DE JARDINAGE</td> <td>EL MAFKOUK Hicham</td> <td>29/11/2018</td> <td>20/12/2018</td> <td>13 365</td> <td>●</td> <td>●</td> <td>●</td> <td>61</td> <td>🔗</td> </tr> </tbody> </table>									PROJECT NAME	PROJECT OWNER	START DATE	FINISH DATE	COST	COST HEALTH	WORK HEALTH	SCHEDULE HEALTH	% Work Completed		ANP ALHOCEIMA	EL MAFKOUK Hicham	07/11/2018	28/11/2018	2 970	●	●	●	100	🔗	BP OUJDA	ARAZAD Mohamed	24/08/2017	06/12/2018	497 655	●	●	●	100	🔗	CENTRE DE FORMATION - 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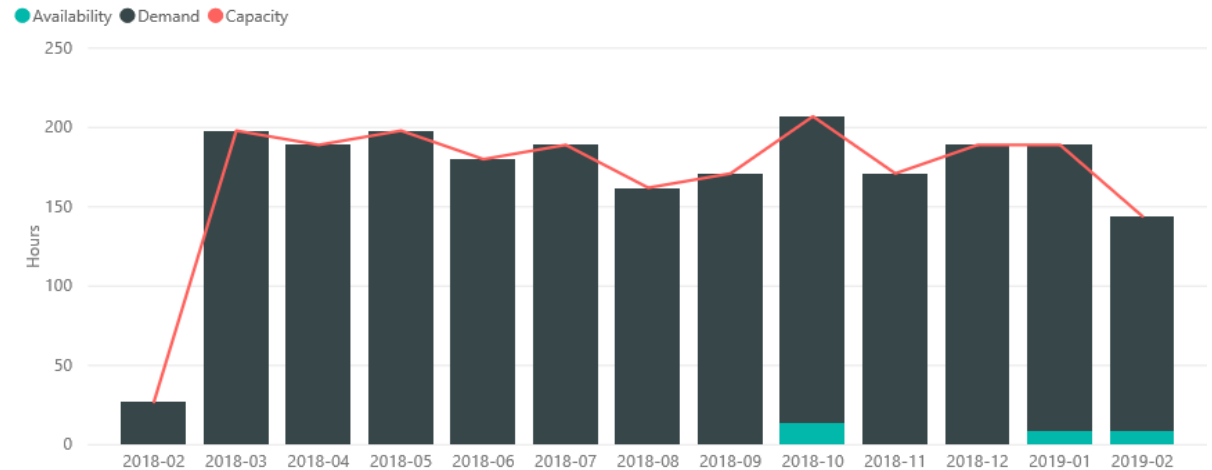
EXAMPLE OF PROJECTS IN WHICH KHADIJA ELMARZOUGUI TOOK PART AS DM. THE EIM USE THIS DATA TO CALCULATE THE % ACHIEVEMENT OF THE OBJECTIVES



WORK BY PROJECT



AVAILABILITY, DEMAND AND CAPACITY OVER TIME



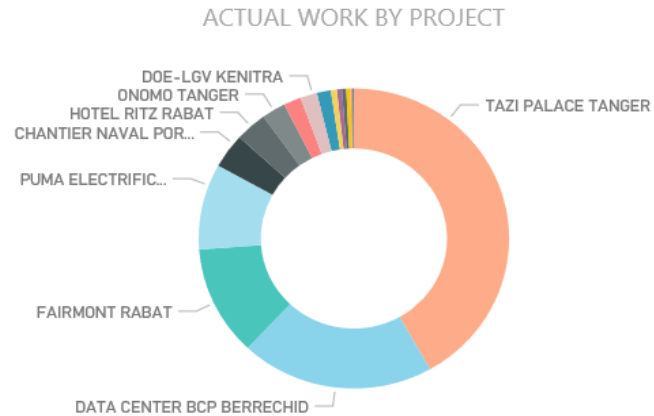
FOR 40 PEOPLE, 7,748 HOURS WERE WORKED AND 32,000 HOURS ARE SCHEDULED IN 2019, CORRESPONDING TO A WORKLOAD OF 4 MONTHS

ANNUAL PROJECT WORK

TIME - Ce - Année

ETAT DU PROJET PROJETS EN COURS

PROJECT NAME Tout

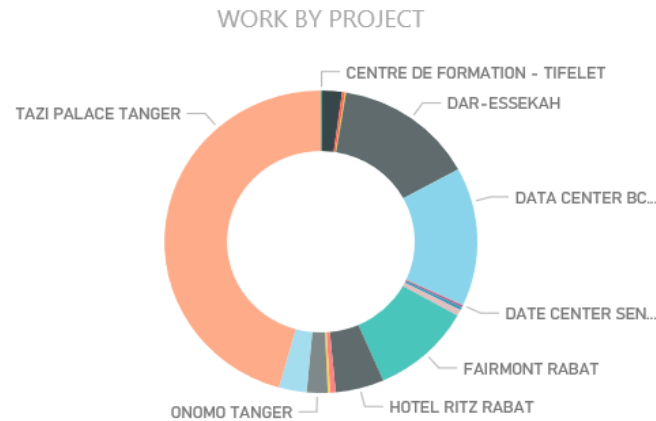


19
PROJECTS

40K
WORK

7 748
ACTUAL WORK

32K
REMAINING WORK



EXAMPLES OF WORK AND TIME SHEETS

Actual Work	Column Labels	Grand Total
Row Labels	<input type="checkbox"/> CONGE-ABSENCE <input type="checkbox"/> TAZI PALACE TANGER (blank)	(blank)
25/12/2018	0	9
26/12/2018	0	9
27/12/2018	0	9
28/12/2018	9	0
29/12/2018	0	0
30/12/2018	0	0
31/12/2018	9	0
01/01/2019	0	0
02/01/2019	9	9
03/01/2019	9	9
04/01/2019	9	9
05/01/2019	0	0
06/01/2019	0	0
07/01/2019	9	9
08/01/2019	9	9
09/01/2019	9	9
10/01/2019	9	9
11/01/2019	0	0
12/01/2019	0	0
13/01/2019	0	0
14/01/2019	9	9
15/01/2019	9	9
16/01/2019	9	9
17/01/2019	9	9
18/01/2019	9	9
19/01/2019	0	0
20/01/2019	0	0
21/01/2019	9	9

Propriétaire FT	Travail Réel (FT)	DATE FT
		22/02/2019
ABID Khalid	9	
ALAMI IDRISSI Alaa	9	
ARAZAD Mohamed	9	
ARRO Hassan	9	
BALHADY Naima	9	
BELAROUSSI Tarik	9	
BOUCHAIBA Abdelillah	9	
BOUGHOU Hamza	36	
EL HALI Oumayma	9	
EL MAHDAQUI Nouredine	9	
EL MARZOUGUI Khadija	9	
EL MOUATASSIM BILLAH Abdelkader	9	
EL OUAHEDY Othmane	9	
ELHAKMI Faouzi	9	
FATIHI Hicham	9	
FAYED Mohamed	9	
GANBOUR Ahmed	9	
HADDADE Mohammed Imad	Non créée	
HOURJ Naima	9	
IDELFAKIH Zakaria	9	
KCHIRI Mohammed-Amine	Non créée	
KHALDI Achraf	9	
LOUKILI Siham	9	

ONLINE PRESENTATION OF EACH PROJECT'S KPIs AND RESULT

ETAT_PROJET	Nom Projet	Niveau Hiérarchique	LOT	REPORTING	
PROJETS EN COURS	CUISINE LYDEX BEN GU... DAR-ESSEKAH DATA CENTER BCP BER...	0 1 2	ENCADREMENT.ENCAD... FLUIDES SYN	(vide) OUI	
DATE D'ETAT DU PROJET					
NOM DU PROJET	DATE D'ETAT				
DATA CENTER BCP BE	07/02/2019				
INDICATEURS DE PERFORMANCE					
WBS	LOT (Production / Global)	IPP	IPC	IPD	AV_DesignPro_Lot
E	DATA CENTER BCP BERRECHID	72%	100%	191%	56%
E 3	PHASE ETUDE EXE CFO	94%	106%	105%	77%
E 4	PHASE ETUDE EXE FLUIDES	57%	98%	139%	65%
E 5	PHASE ETUDE EXE CFA	27%	66%	204%	27%
E 6	SYNTHESE MULTITECHNIQUE	56%	91%	123%	0%
TRAVAIL DE REFERENCE					
TRAVAIL DE REFERENCE	Numéro de la Référence				
WBS	LOT (Production / Global)	0	1		
E	DATA CENTER BCP BERRECHID	11 666	11 666		
E 3	PHASE ETUDE EXE CFO	4 882	4 882		
E 4	PHASE ETUDE EXE FLUIDES	3 621	3 621		
E 5	PHASE ETUDE EXE CFA	2 212	2 212		
E 6	SYNTHESE MULTITECHNIQUE	951	951		

ONLINE PRESENTATION OF HOURS (WORK) / COST AND SCHEDULE

SUIVI DU TRAVAIL						
WBS	LOT (Production / Global)	Travail Réel	Travail Restant	Travail Actualisé	Variation de Travail (vs dernière Réf)	
	DATA CENTER BCP BERRECHID	7 126	6 839	13 965	2 299	
3	PHASE ETUDE EXE CFO	3 666	308	3 974	-908	
4	PHASE ETUDE EXE FLUIDES	2 202	1 824	4 026	405	
5	PHASE ETUDE EXE CFA	529	4 438	4 967	2 755	
6	SYNTHESE MULTITECHNIQUE	730	269	999	48	
COÛT DE REFERENCE						
COÛT DE REFERENCE		Numéro de la Référence				
WBS	LOT (Production / Global)	0	1			
	DATA CENTER BCP BERRECHID	2 658 534	2 658 534			
3	PHASE ETUDE EXE CFO	1 260 886	1 260 886			
4	PHASE ETUDE EXE FLUIDES	817 726	817 726			
5	PHASE ETUDE EXE CFA	346 680	346 680			
6	SYNTHESE MULTITECHNIQUE	233 242	233 242			
SUIVI DU COÛT						
WBS	LOT (Production / Global)	CRTE	Coût Restant	Coût Actualisé	EAA	Variation de Coût (vs dernière Réf)
	DATA CENTER BCP BERRECHID	1 648 468	756 072	2 485 455	2 653 581	-173 079
3	PHASE ETUDE EXE CFO	982 218	57 668	1 087 405	1 189 781	-173 481
4	PHASE ETUDE EXE FLUIDES	424 325	448 073	893 708	834 011	75 981
5	PHASE ETUDE EXE CFA	98 500	158 600	264 300	529 003	-82 380
6	SYNTHESE MULTITECHNIQUE	143 425	91 732	240 042	257 258	6 800

ONLINE PRESENTATION OF VALIDATION OF DELIVERABLES BY THE CUSTOMER

SUIVI DE VALIDATION DETAILLE

Nombre de PLANS	STATUT DE VALIDATION									
LOT	(blank)	En cours	Non débuté	Prêt pour validation	Rejeté/Suspendu	Validé avec réserves BET	Validé avec réserves BC	Validé sans réserves BET	Validé sans réserves BET et BC	Grand Total
(blank)	7			1		2		6		16
CFA	13			6				3		22
CFO	1	1		2	1	10	5	9	3	32
FLUIDES		1	4	6		13		5	3	32
SYN	9									9
Grand Total	30	2	4	15	1	25	5	23	6	111

| BENEFITS / OPPORTUNITIES / RISKS OF PROJECT ONLINE (1/2)

Benefits of MSP Online:

Visibility:

- Volume of work remaining
- Workload and resource availability
- Performance

Reliability:

- Project and resource forecasts
- Performance indicator values

Time saved:

- In drawing up activity reports
- In calculating performance indicators

Opportunities of MSP Online:

- Use of historic and forecast data for continuous improvement purposes
- Rapidly respond to new stakeholder requests for information
- Forward capacity management (profiles lacking, profiles available over a 6 to 12 month period).
- Use of the benefits of the tool as a sales talking point (once the system has matured).

| BENEFITS / OPPORTUNITIES / RISKS OF PROJECT ONLINE (2/2)

Risks associated with MSP Online:

- Obtaining wrong information when the Project Online process has not been properly applied.
- Non-acceptance by some users if they encounter difficulties with the software.
- Discouragement if tangible results are not rapidly achieved.

To address these risks, the following action should be taken:

- Project Online tool: support teams in using the tool appropriately and addressing any difficulties. Support should be gradually scaled back.
- Project management: hold workshops to analyse difficulties and problems in project execution and draw lessons that can be used as input for continuous improvement of management processes.

VERBATIM



ALAMI IDRISSE Alaa 'Design Manager'

"During the year in which our Building Solutions department has been using MS Project Online, I have appreciated its usefulness, particularly for scheduling. It makes it possible to anticipate and cope with problems and risks to ensure that the project is carried out in full compliance with the requirements".



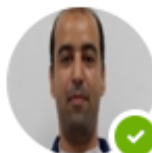
EL MARZOUGUI Khadija 'Design Manager'

"This tool enables us to boost our efficiency and move towards better analysis and anticipation".



ZAOUAL Mohamed 'Design Manager'

"MSP ONLINE is a tool that gives us a real-time overview of the project's progress, budget and schedule status".



BELAROUSSI Tarik 'Draughtsperson'

"MSP enables us to be better organised and to track progress on our projects. Each member of the team knows where he or she stands and where his or her employees stand. In addition, it can be handled efficiently with simpler graphics that are easier to read"