MINESTAR REPORTING

MineStar Reporting Roadmap

CATERPILLAR®

MineStar Historical Approach to Reporting

MineStar Reporting

MINESTAR FLEET

MINESTAR TERRAIN

MINESTAR HEALTH

MINESTAR COMMAND

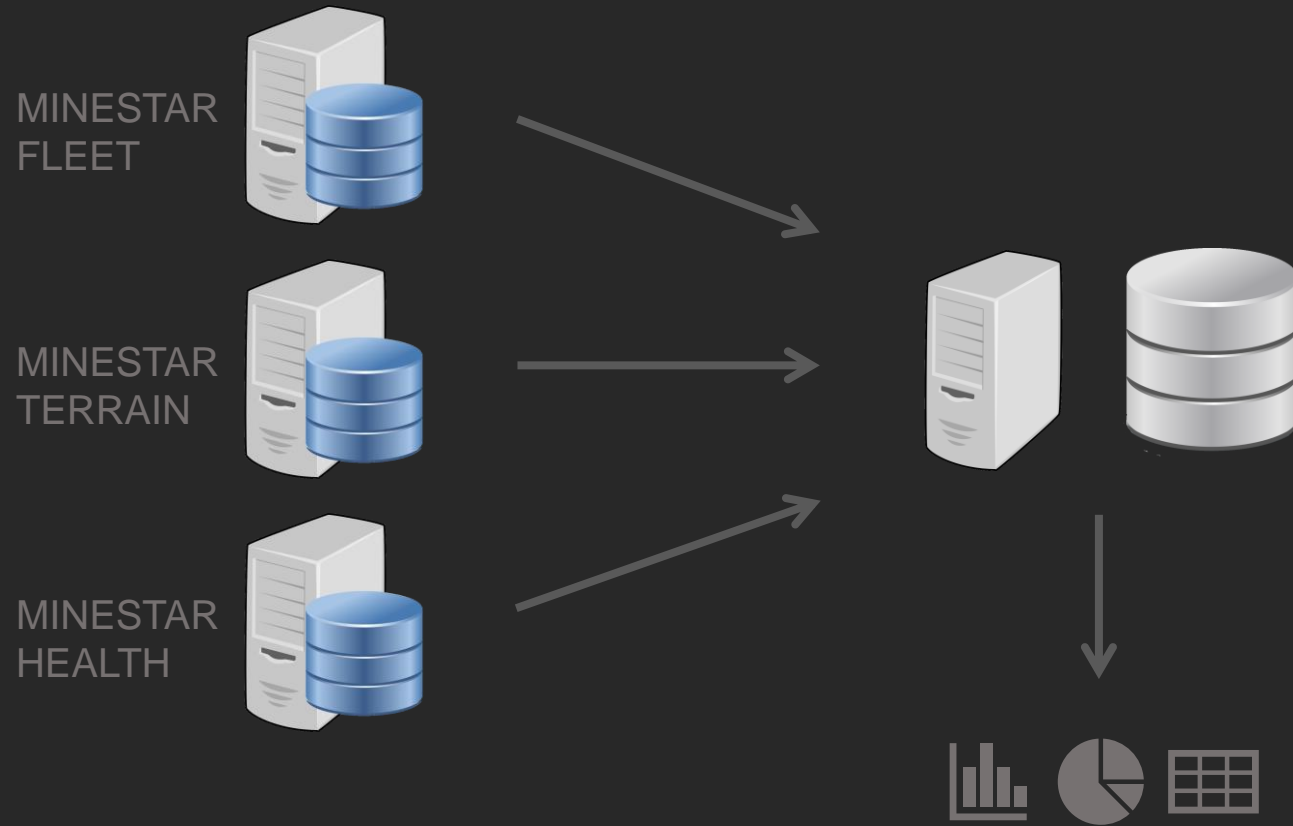MINESTAR EDGE

MINESTAR OTHER
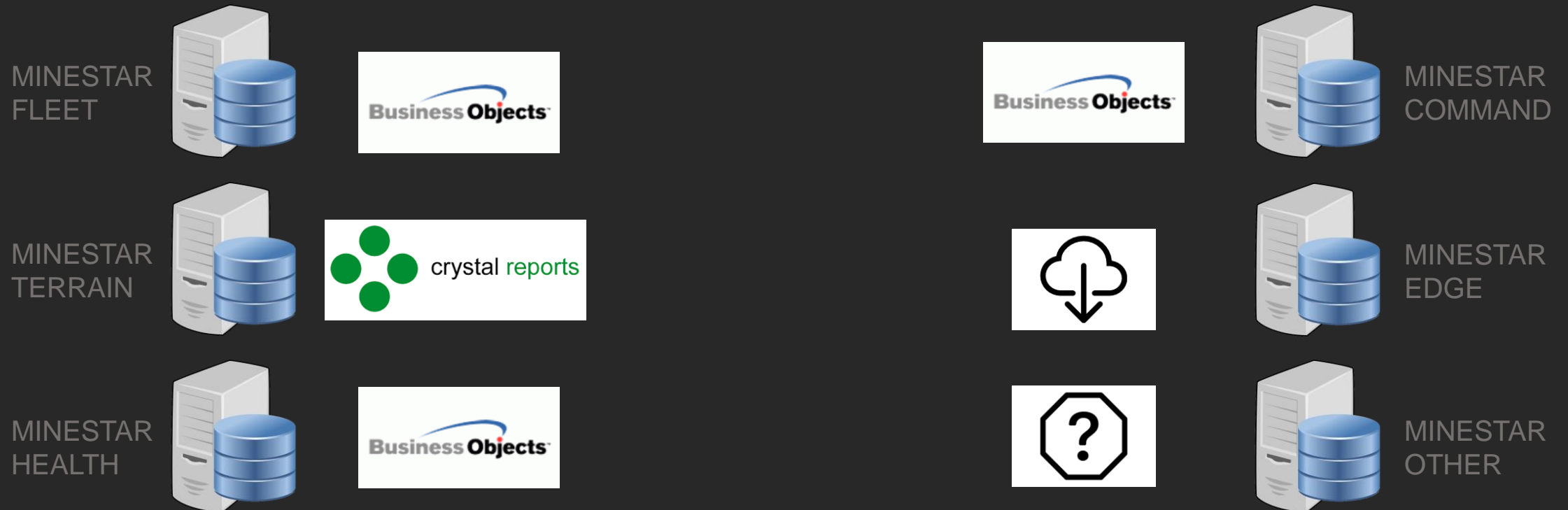
MineStar Reporting

Changes to reporting

- **Move away from Business Objects**

- **Common reporting tools across the MineStar product portfolio**

- **Licence technology from partner with long experience in the mining industry**

- **Deliver standard reports and dashboards**

- **Customer can optionally use preferred reporting tools to access the data**

- **Caterpillar or Dealer can develop custom reports and dashboards using built-in tools**

- **Customer can (optionally) licence tools to develop their own reports and dashboards**

- **Optional modules for use of non-MineStar data and advanced features such as 3D Visualisation**
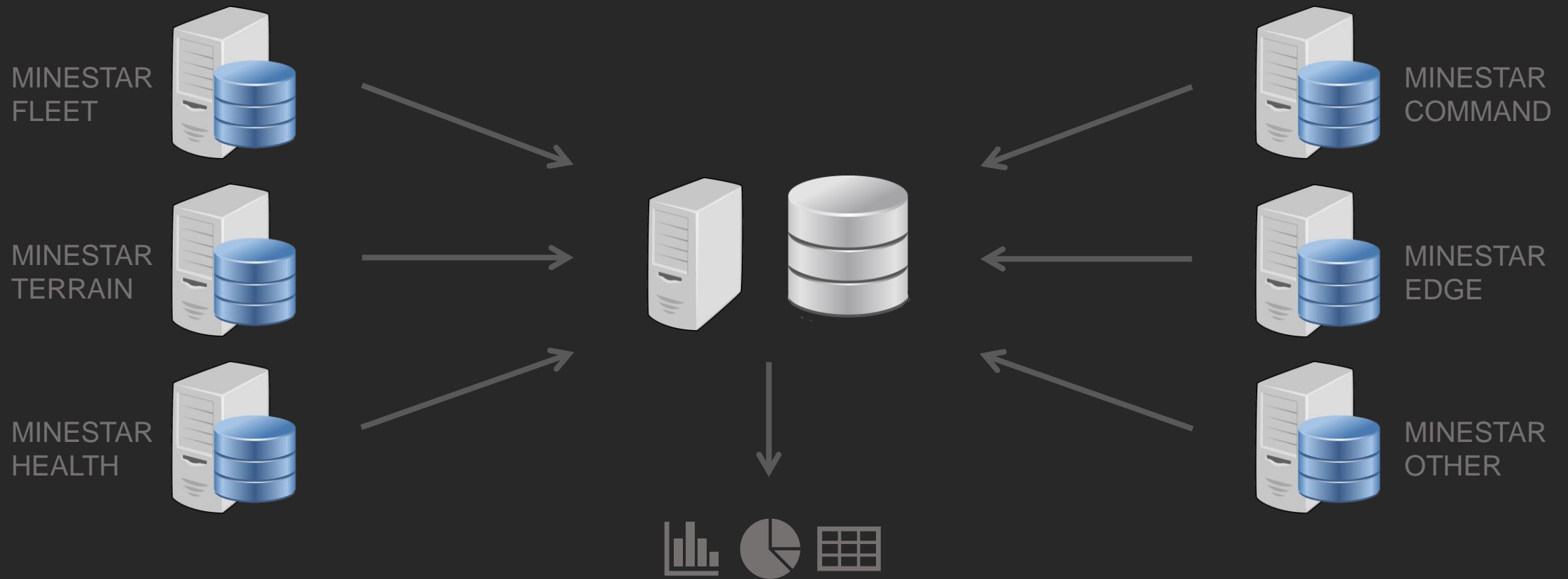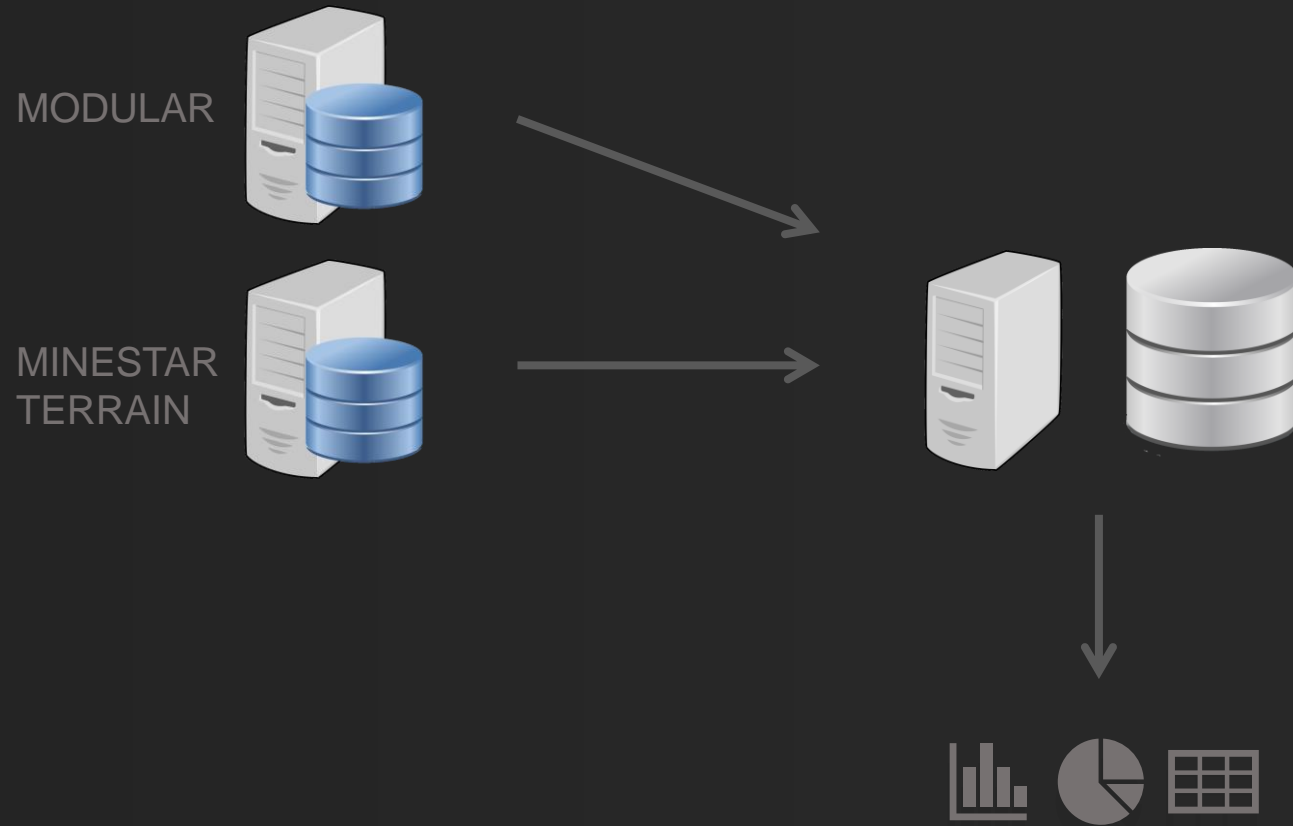
CATERPILLAR®

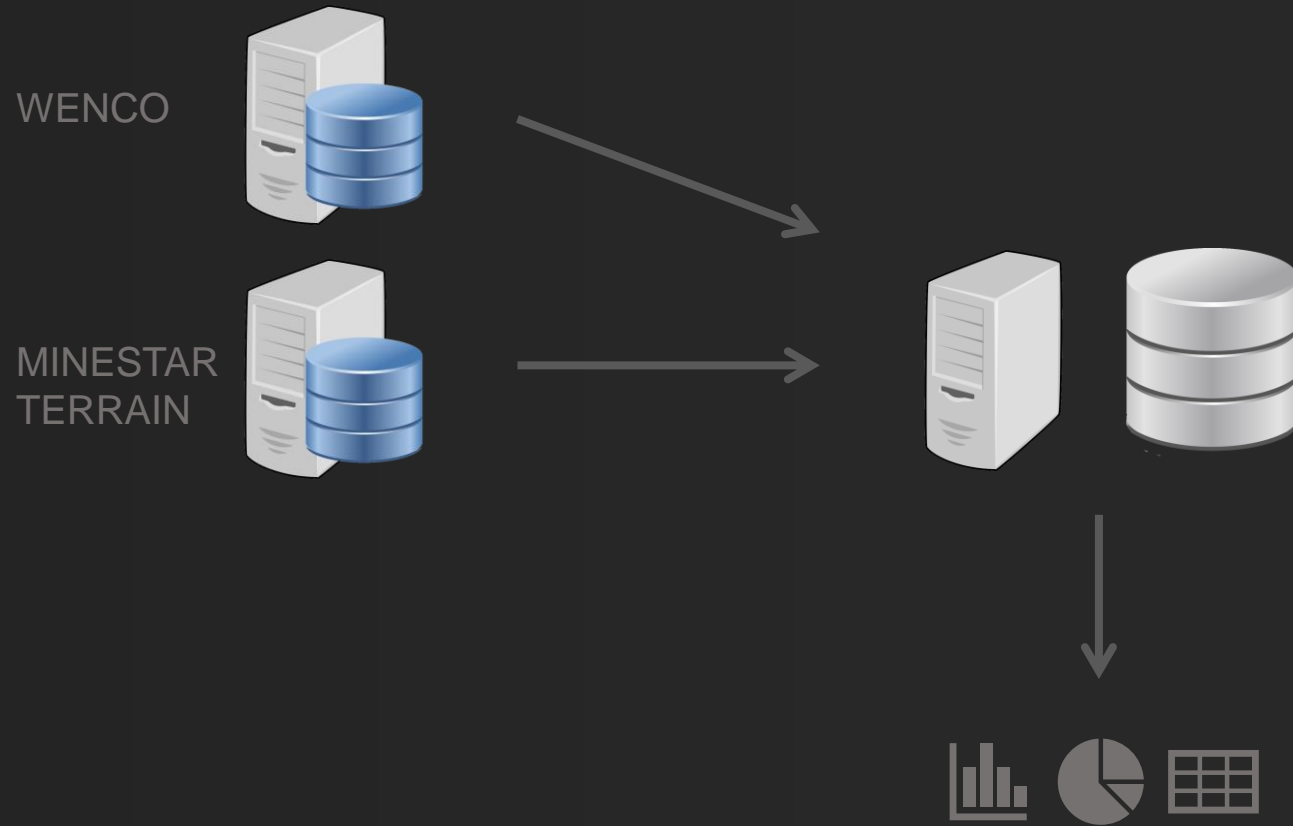# MineStar Reporting

Supported Today

MINESTAR
FLEET

MINESTAR
TERRAIN

MINESTAR
HEALTH

CATERPILLAR®

MineStar Reporting

MINESTAR FLEET

MINESTAR TERRAIN

MINESTAR HEALTH

MINESTAR COMMAND

MINESTAR EDGE

MINESTAR OTHER

CATERPILLAR®

MineStar Reporting – Terrain with Modular

MODULAR

MINESTAR
TERRAIN

CATERPILLAR®

MineStar Reporting – Terrain with Wenco

WENCO

MINESTAR
TERRAIN

CATERPILLAR®

MineStar Reporting – Migration to MineStar

MODULAR

MINESTAR REPORTING

MINESTAR FLEET

MINESTAR TERRAIN

MINESTAR HEALTH

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MineStar Reporting – Multi-Site

MODULAR

MINESTAR
TERRAIN

MINESTAR
FLEET

MINESTAR
TERRAIN

MINESTAR
HEALTH

CATERPILLAR®
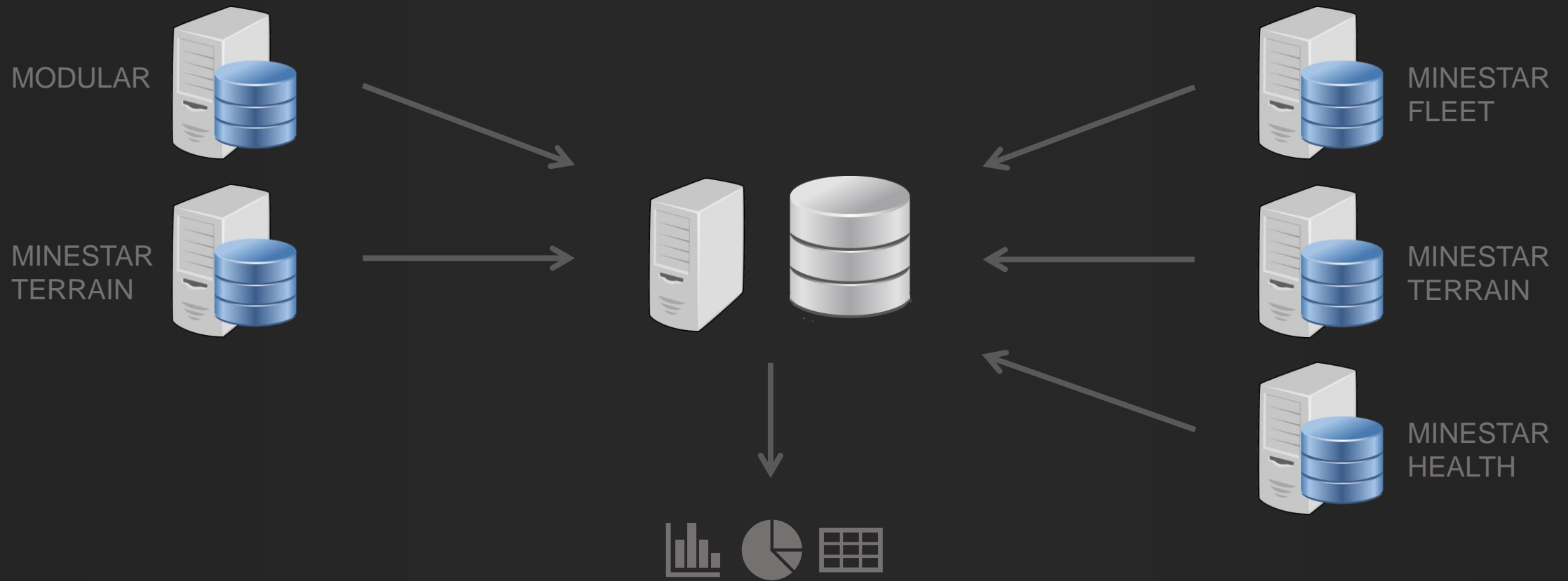
MineStar Reporting – Non-MineStar Data

Connected Mine Additional Modules

C-MP
CONNECTED-MINE PERFORMANCE

PRODUCTION

DRILLING

BUDGETS & PLANS

GEOLOGY & SURVEY

PRODUCT TRACKING

RECONCILICATION

MAINTAINENCE ASSIST

C-PP
CONNECTED-PROCESS PERFORMANCE

C-DAS (RO)
CONNECTED-DATA ANALYSIS SERVICES

C-SI
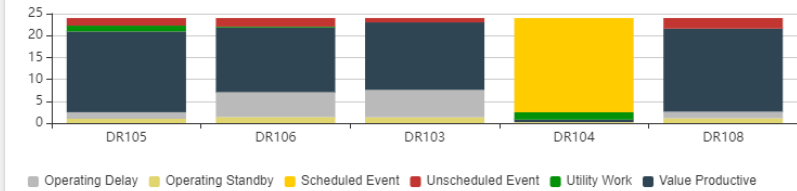CONNECTED-SPATIAL INTELLEGENCE

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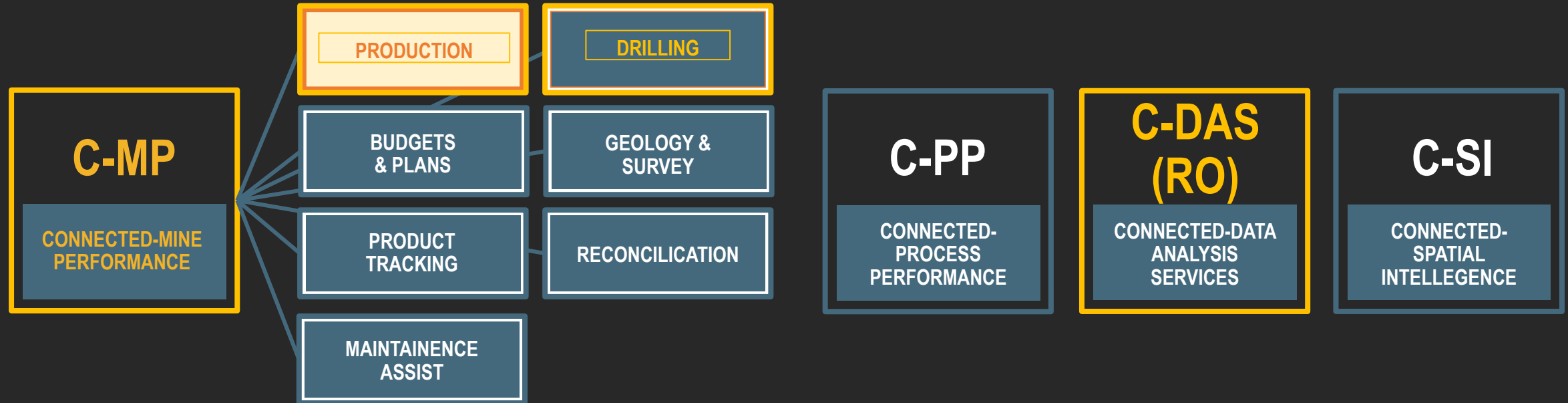
MineStar Reporting

Example Combined Summary
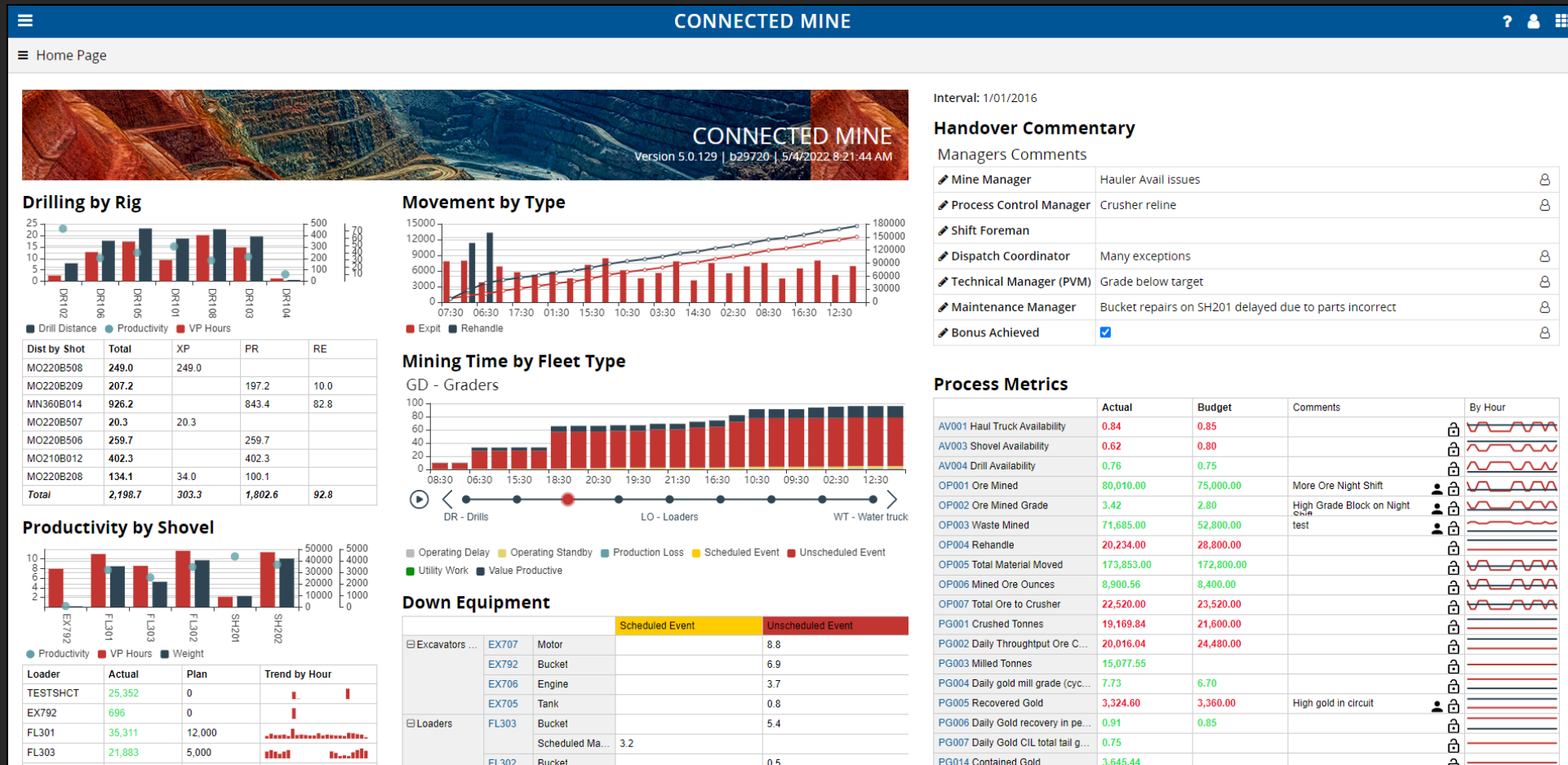
MineStar Reporting

DDR001 Drilling
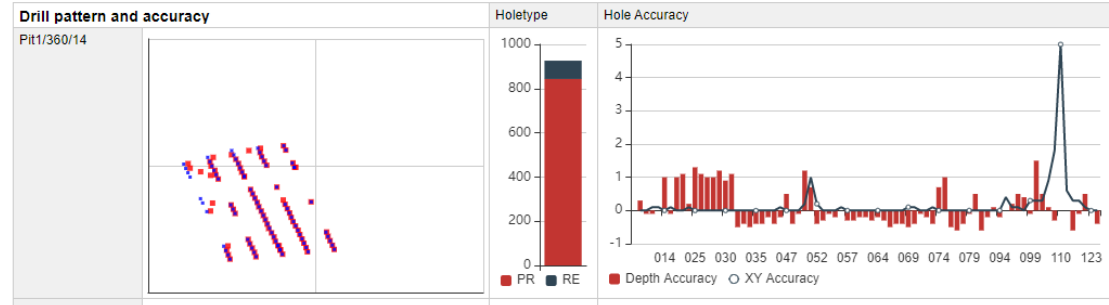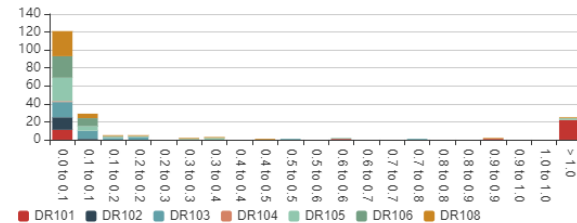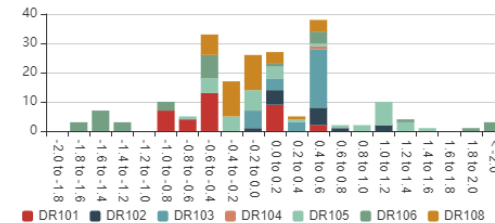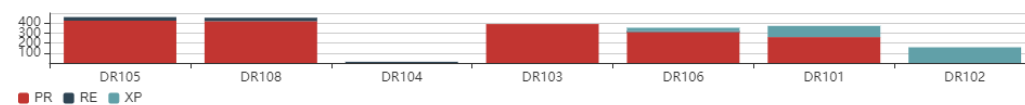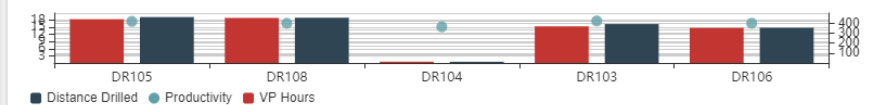
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DRP001 Day Production
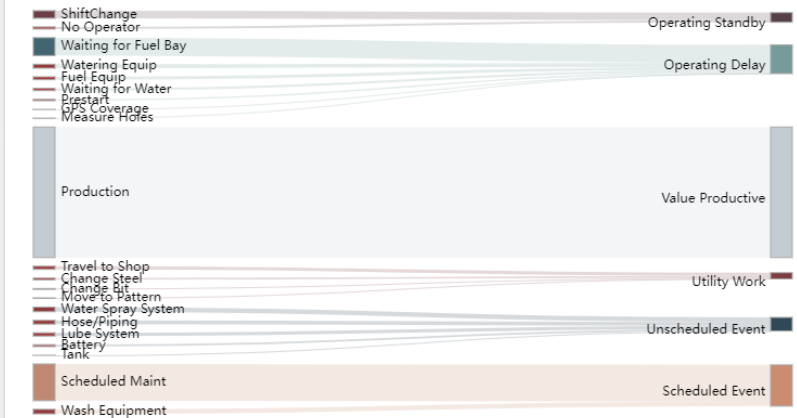
Movement By Material

	WastePAG	MQ2	M03	H02	L03	MQ3	L02	M02	LQ2	L01	MnWstP...	WasteNAG	MQ
Expit	63,618	16,296	7,166	10,275	11,843	177	8,330	12,350	531	9,409	1,625	4,702	177
Rehandle			2,532						696				

Fleet Type Key metrics

	Avail	Util
Excavators a...	83.1	30.2
Graders	23.2	17.9
Drills	76.2	59.5
Haul trucks	84.5	68.1
Water trucks	82.6	20.3
Loaders	87.1	78.0
Unknown flee...	88.5	63.7
Tracked dozers	81.2	62.1
Rubber tyred ...	77.5	51.6
Shovels	62.0	56.2

Haul Productivity

Hauling Operate Hours · Hauling Productivity · Hauling Weight
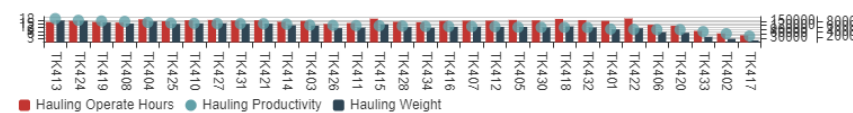
Tonnes by hour and Loader

EX792 FL301 FL302 FL303 SH201 SH202
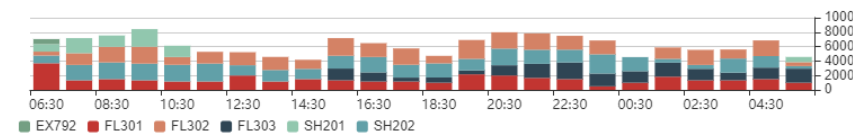
Movement Summary

Movement	FL301	FL303	SH202	FL302	SH201	EX792	Total
Total Actual	35,311	21,883	41,898	40,509	9,430	696	149,728
Total Plan	12,000	5,000	20,000	17,000	12,000	0	66,000
By Origin							
MN370B210-01/PAG	30,948						30,948
QQ180A019-02/MQ2		16,296					16,296
MO220B801-01/PAG			19,529				19,529
MO215B005-05/M03				6,444			6,444
MO215B005-02/H02				9,230			9,230
MO215B005-03/L03				3,135	8,708		11,843

Loader Productivity

Loading Operate Hours · Loading Productivity · Loading Weight

(SH201, SH202, FL302, FL301, FL303)

Cycle Time Elements

185 - Travel Full- Total Hours 261.2

183 - Spot at dump- Total Hours 6.2

186 - Loading- Total Hours 39.9

181 - Dump- Total Hours 15.1

184 - Travel Empty- Total Hours 179.7

190 - Spot at loader- Total Hours 11.9
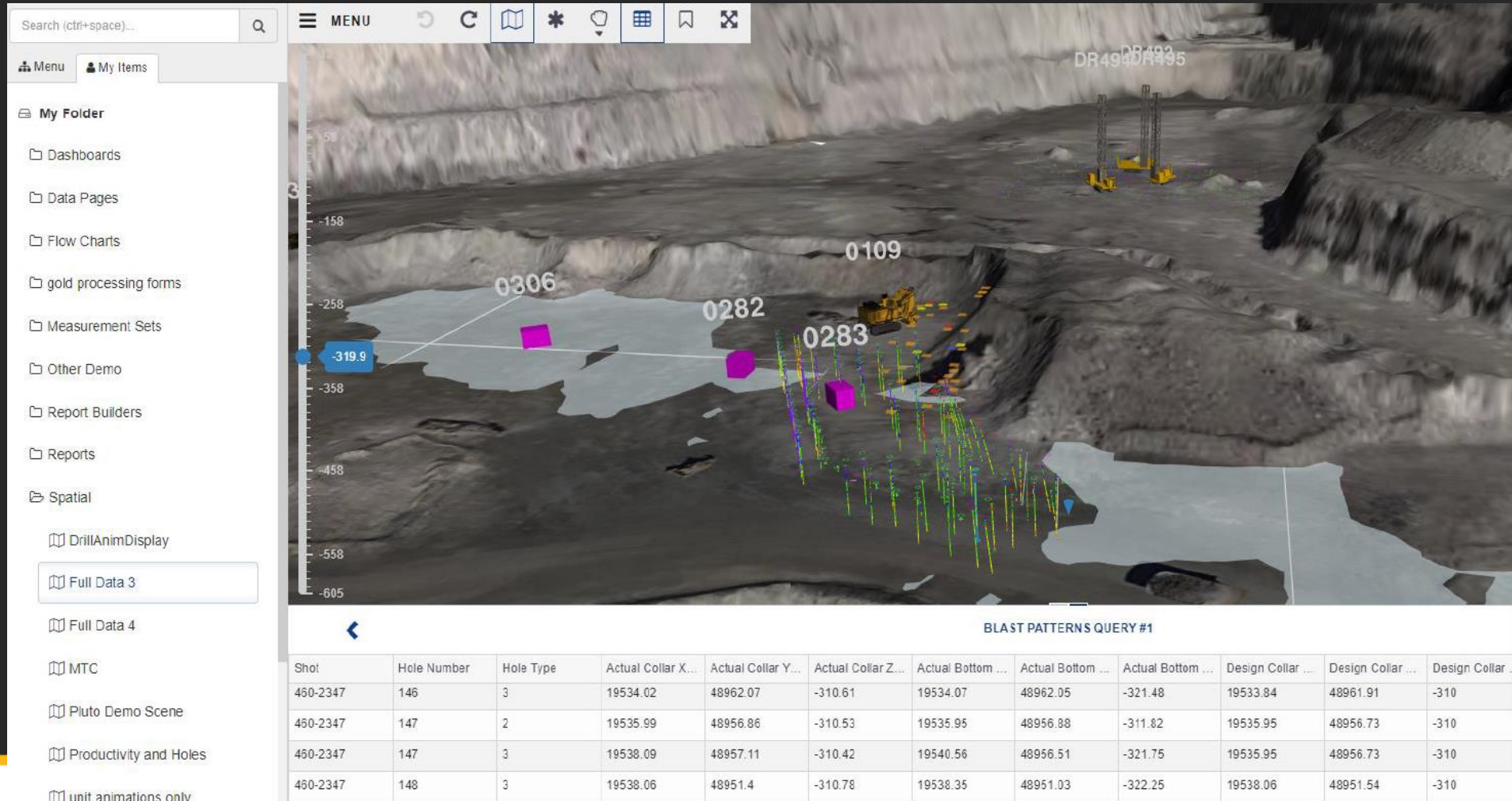
100 - Production- Total Hours 862.1

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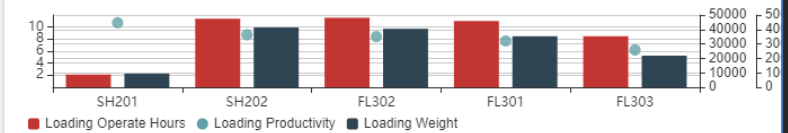
MineStar Reporting

Optional Spatial Visualisation Capabilities

Questions and Discussion