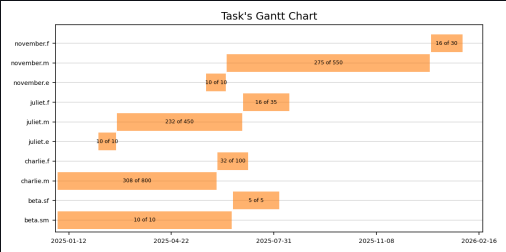
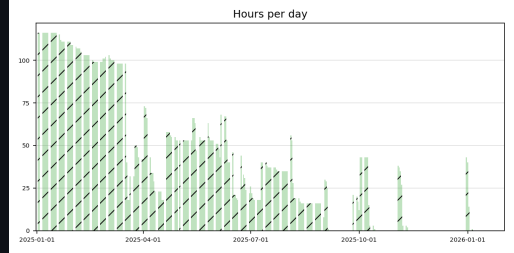
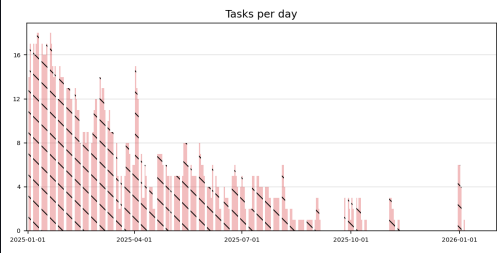
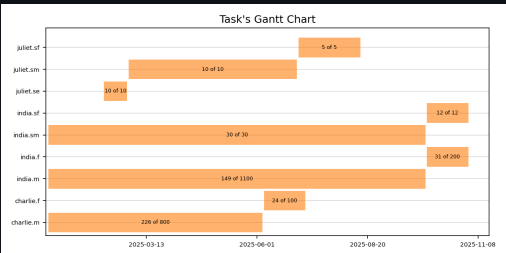
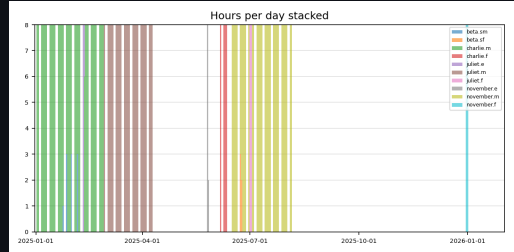
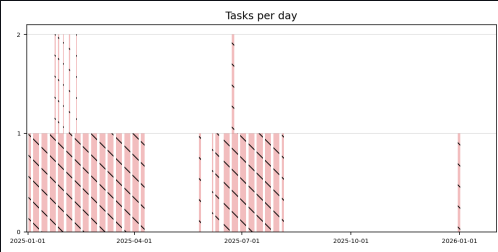


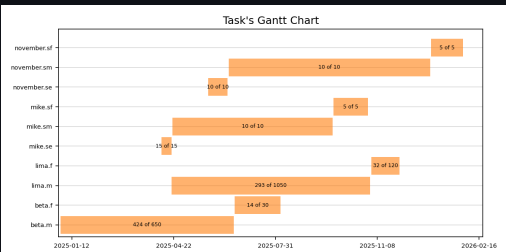
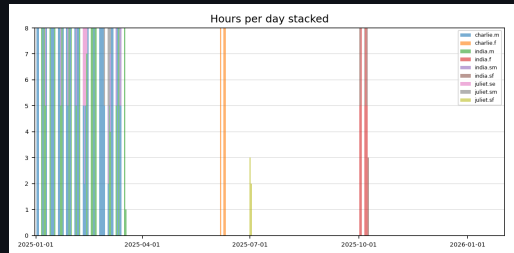
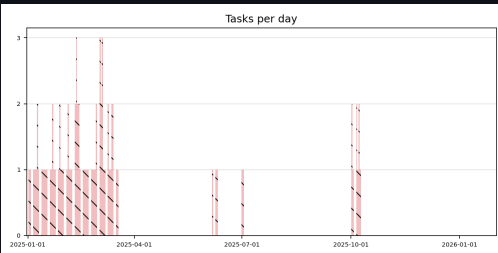
DEV.Carl the 1st unit



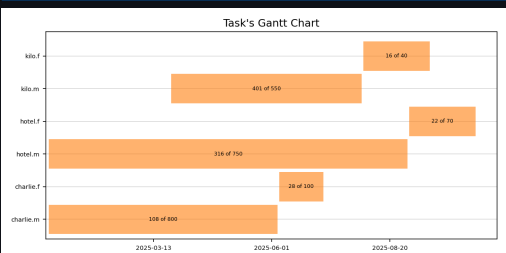
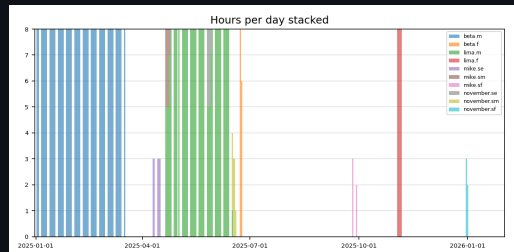
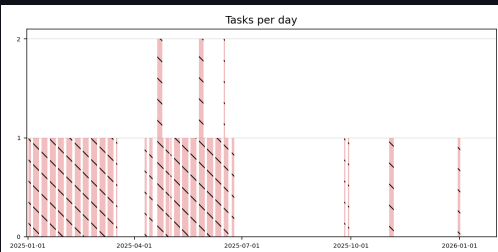
DEV.Charles the 1st unit



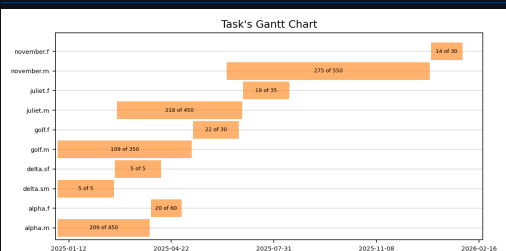
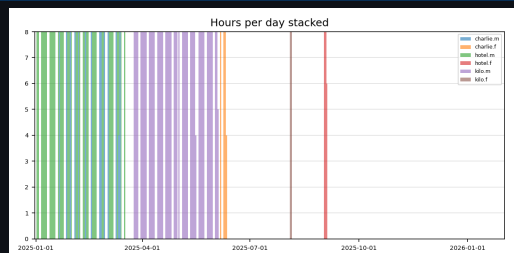
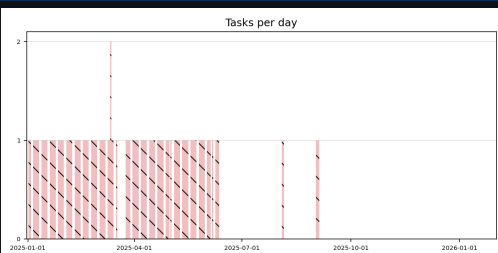
DEV.Frances the 1st unit



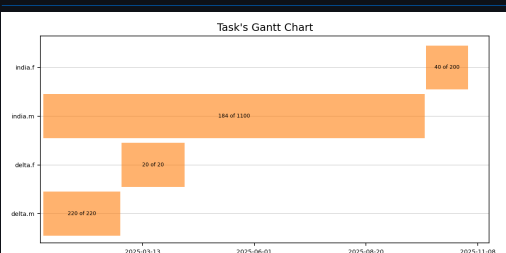
DEV.Francis the 1st unit



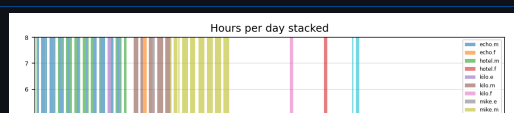
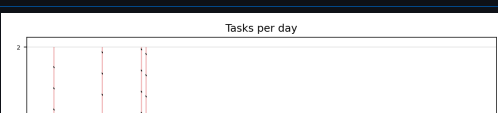
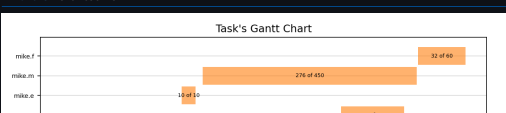
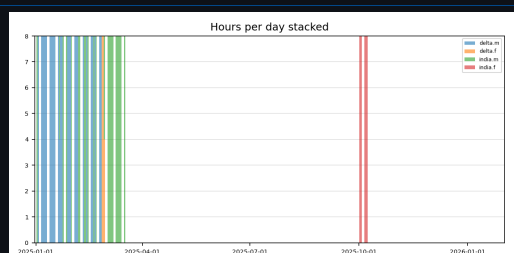
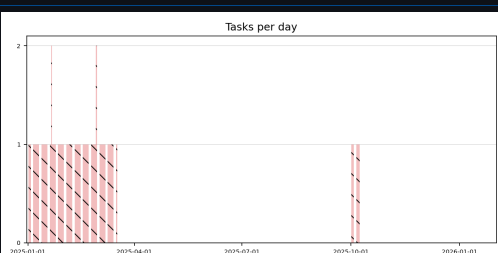
DEV.Hugo the 1st unit

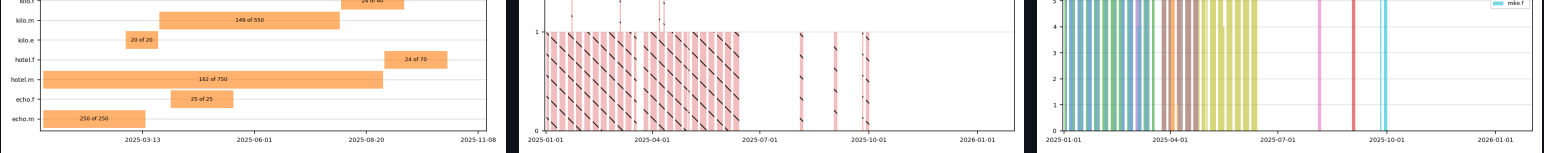


DEV.Lars the 1st unit

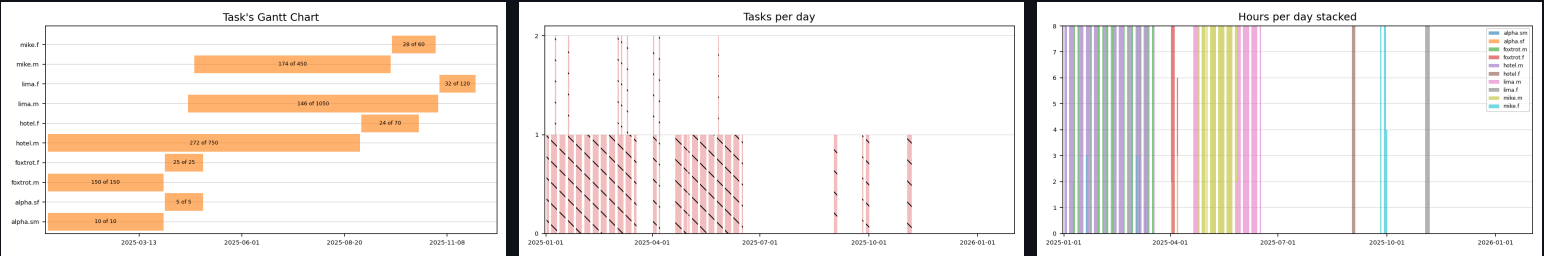


DEV.Martin the 1st unit

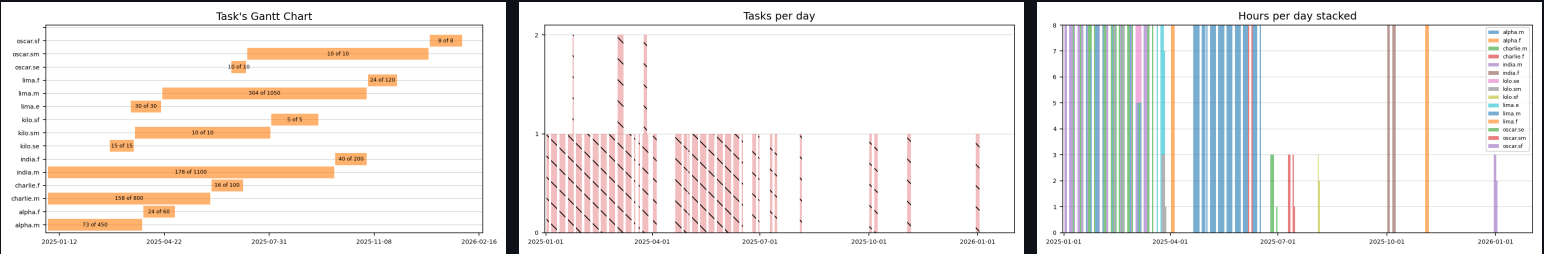




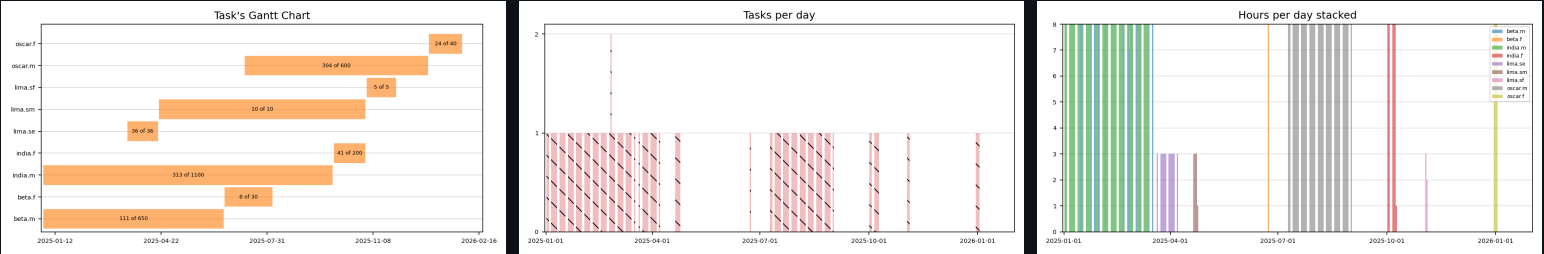
DEV:Michael the 1st unit



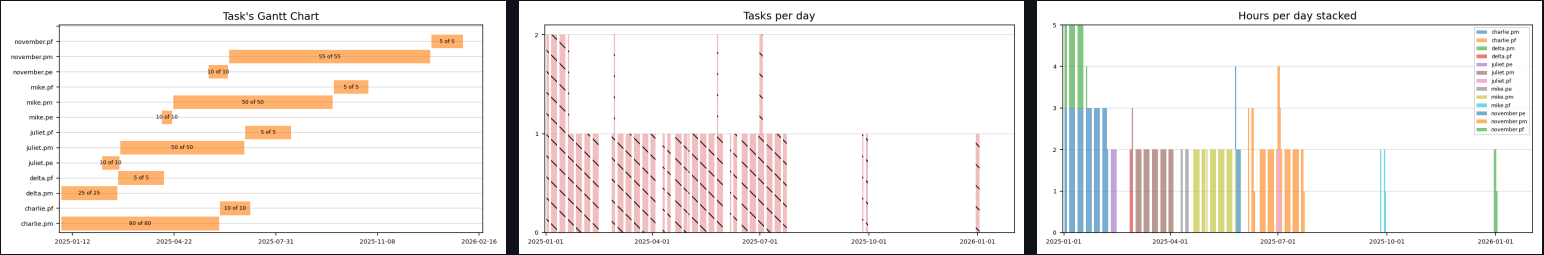
DEV:Paul the 1st unit



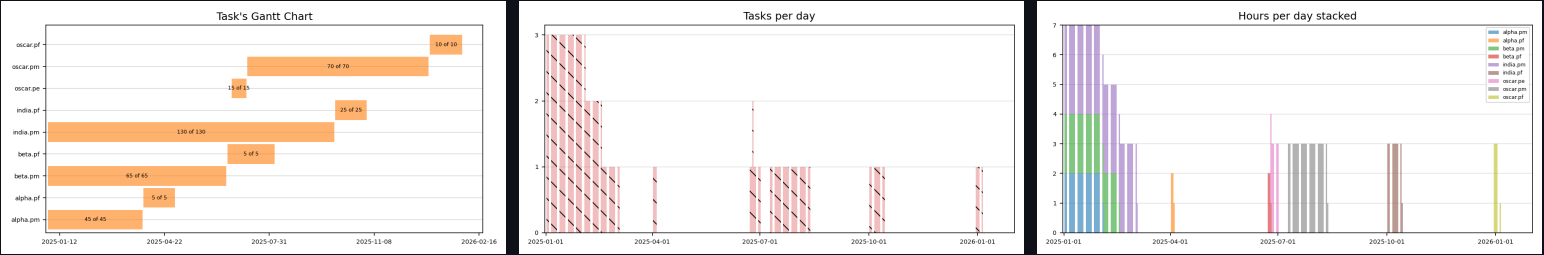
DEV:Tom the 1st unit



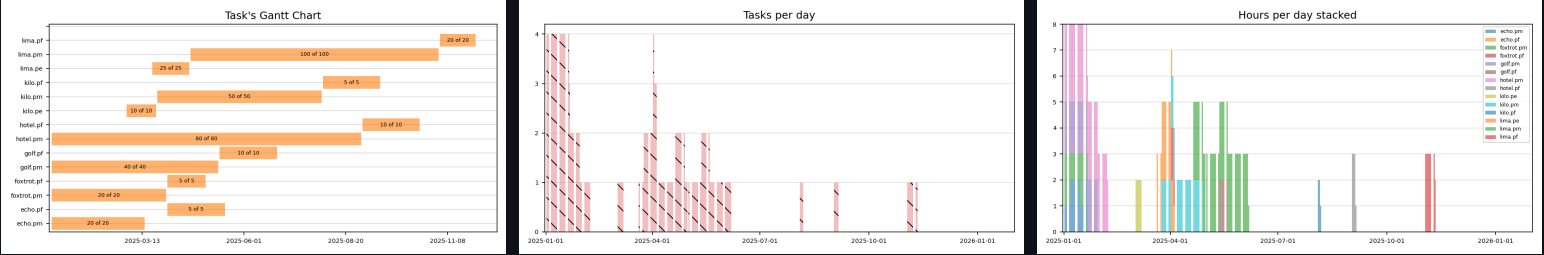
PM:Angel the 1st unit



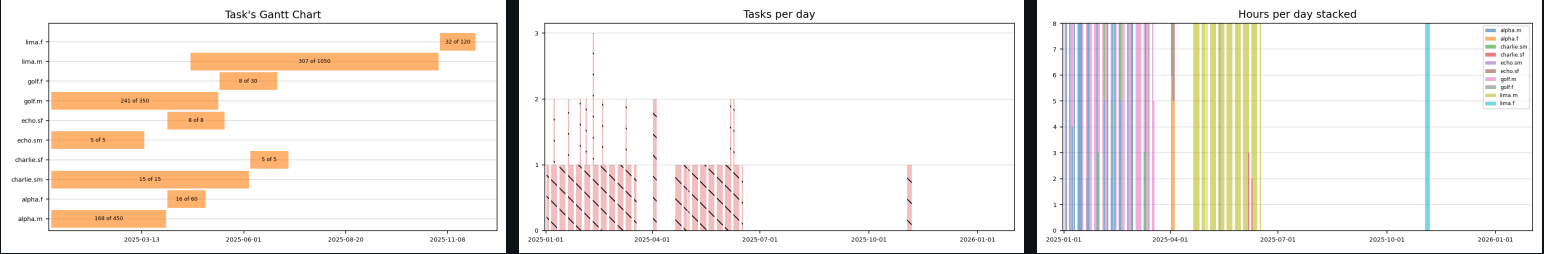
PM:Daniel the 1st unit



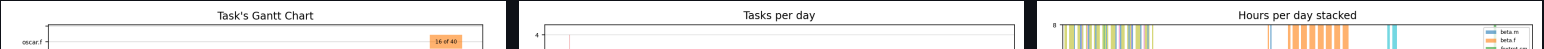
PM:Lisa the 1st unit

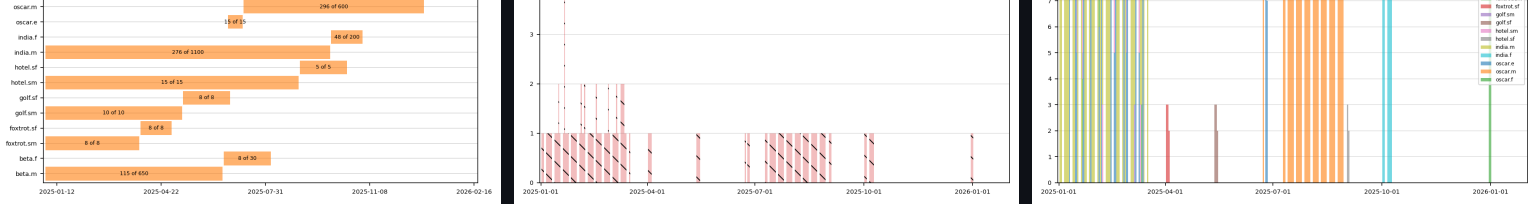


SA:Adrian the 1st unit



SA:Robert the 1st unit





Solver output at 09 January 2025, 08:34:16 AM

HIGGS 1.8.1: tech-outlet - 1

Running HIGGS 1.8.1 (git hash: 4a7f4e4) Copyright (c) 2024 HIGGS under MIT licence terms

Coefficient ranges:

Matrix [[a100, b100]]

Cost [[a100, b100]]

Bound [[a100, b100]]

BS [[a100, b100]]

Feasibility model

151279 rows, 158700 cols, 402082 nonzeros, 0s

20000 rows, 158700 cols, 402082 nonzeros, 0s

20000 rows, 158700 cols, 402082 nonzeros, 0s

Solving MIP model with:

20000 rows

158700 cols (1212 binary, 3758 integer, 5 implied int., 0 continuous)

402082 nonzeros

MIP timing: 0.14 - starting analytic centre calculation

Src: 0 -> Branching; C -> Central rounding; F -> Feasibility pump; H -> Heuristic; L -> Sub MIP;

P -> Query MIP; R -> Randomized rounding; S -> Solve LP; T -> Evaluate node; U -> Unbounded;

Z -> Trivial zero; l -> Trivial lower; u -> Trivial upper; p -> Trivial point

Nodes		B&B Tree		Objective Bounds		Gap		Dynamic Constraints		Work	
Src	Proc.	InQueue	Leaves	Expl.	BestBound	BestSol	Gap	Cuts	Imp. Conf.	lpSolve	Time
0	0	0	0	0.0%	27.87208482	inf	inf	0	0	0	0.7s
P	0	0	0	0.0%	20046.171762	20046.171762	0.0%	0	0	0	144s
F	0	0	1 100 100	20046.171762	20046.171762	0.0%	0	0	0	2420	0.9s

Solving report

Status: Optimal

Primal bound: 20046.171762

Dual bound: 20046.171762

Gap: 0% (tolerance: 0.001)

P-D integral: 0

Solution status: Feasible

20046.171762 (objective)

0 (bound viol.)

0 (row viol.)

0 (row viol.)

0 (col total)

0 (row presolve)

0 (col solve)

0 (row postsolve)

Max sub-MIP depth: 0

Nodes: 0

Repair LPs: 0 (0 feasible, 0 iterations)

LP iterations: 3420 (total)

0 (strong br.)

0 (separation)

0 (heuristics)

HIGGS 1.8.1: optimal solution, objective 20046.171762

158700 simplex iterations

0 branching nodes

absolgap=0.000000, relgap=0