Head-Count Allocation Solver

Input
- Operations: Critical vs Non Critical
- HC certification
- HC operation preference
- Skill-level ratio per operation
- MMR
- Required tool counts per shift

Output
- HC assignment and % of time
- Skill level Gap per operation
- Unassigned HC
- % utilization & idle time per HC
- HC mobilization reqt (multi-shift)

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Project Description:
Develop and implement workforce models for Intel's Assembly-Test factories that will enhance the workforce planning and support the realization of the capacity plans. The models will be used to aid in decision making for better worker-machine group allocations for a single-shift, the worker-shift allocations for multi-shift and lastly, hiring and cross-training decisions at the strategic level.

Publications:

Working Papers:

Software: Head-Count Allocation Solver, 2010