

Engine

```
- in_data : InputData*
- out_data : OutputData*
- maxCost : float
- costRes : float
- active_cell_holder : ActiveCellQueue
- temporary_active_cell_holder : ActiveCellQueue
- spread_list : vector<ActiveCell>
- iLinkMap : LinkMap
- voronoi_map : flMap
- cost_map : flMap
- settled_map : boolMap
- initialized : bool
- error_message : char*
- error_message_size : int

+ Engine() / ~Engine()
+ initialize() : bool
+ start() : void
+ emax() / emin() / calcDistance() [static]
- findPatches() / getIndexFromList() / combinePatches()
- activeCellSpreadChecker() / createActiveCell()
- createLinks() / findPath() / parseMap() / lookForIndirectPath()
- connectCell() / cellIsZero() / cellsEqual() / outOfBounds()
- updateOutputMap() / writeErrorMessage()
```