



Manufacturable

producedFromBlueprintID: int

setAttributes(row: array) : void

Reaction

+ react(cycles: int, reprocess: bool, feedback: bool,...

inventedFromBlueprintID: int

setAttributes(row: array) : void

queryAttributes() : array

cycleInputMaterial: array

isAlchemy: bool

+ isAlchemy() : bool

cycleOutputMaterial: array

#__construct(typeID: int) : Reaction

+ getCycleInputMaterials() : array

+ getCycleOutputMaterials() : array

queryAttributes() : array

+ getBlueprint() : Blueprint

ProcessData # activity: int # producesTypeID: int # producesQuantity: int # processTime: int # processCost: float # assemblyLineID: int # solarSystemID: int # teamID: int # skills: SkillMap # materials: MaterialMap # subProcessData: array + __construct(producesTypeID: int, producesQuantity: int... + addMaterial(typeID: int, amount: int) : void + addSkill(skillID: int, level: int) : void + addSkillMap(sm: SkillMap) : void + addSubProcessData(subProcessData: ProcessData) : void + getActivityID(): int + getProducedType() : Type + getNumProducedUnits() : int + getSubProcesses() : array + getProcessCost() : float + getSolarSystemID(): int + getAssemblyLineTypeID(): int + getTeamID(): int + getTotalProcessCost(): float + getMaterialBuyCost() : float + getTotalMaterialBuyCost() : float + getTotalCost(maxPriceDataAge: int) : float + getMaterialMap() : MaterialMap + getTotalMaterialMap() : MaterialMap + getMaterialVolume() : float + getTotalMaterialVolume() : float + getSkillMap() : SkillMap + getTotalSkillMap() : SkillMap + getTime() : int + getTotalTime(): int + getTotalTimes() : array + getTotalProfit(maxPriceDataAge: int) : float + printData(): void N 0..* InventionProcessData

ResearchMEProcessData

ReactionProcessData

+ __construct(inputMaterialMap: MaterialMap, ou...

+ getInputBuyCost(maxPriceDataAge: int) : float

+ getOutputBuyValue(maxPriceDataAge: int) : float

inputMaterialMap: MaterialMap

cycles: float

withRefining: bool # withFeedback: bool

+ getCycles() : float + getTime() : float

+ withRefining(): bool

+ withFeedback() : bool

outputMaterialMap: MaterialMap

+ geInputMaterialMap() : MaterialMap

+ getOutputMaterialMap(): MaterialMap

+ getProfit(maxPriceDataAge: int) : float

startMELevel: int

endMELevel: int

+ __construct(researchedBpID: int, researchTime: i...

+ getStartMELevel() : int

+ getEndMELevel() : int

ResearchTEProcessData

startTELevel: int # endTELevel: int

+ __construct(researchedBpID: int, researchTime: i...

+ getStartTELevel() : int

+ getEndTELevel() : int

bpMeLevel: int

bpPeLevel: int

+ getMeLevel() : int

+ getPeLevel(): int

+ printData() : void

+ getSlotCost() : float

+ __construct(bpCopyID: int, copyQuantity: int, o...

+ getOutputRuns(): int

ManufactureProcessData

+ __construct(producesTypeID: int, producesQua...

+ getTotalCostPerUnit(maxPriceDataAge: int) : float + getTotalProfit(maxPriceDataAge: int) : float

CopyProcessData

outputRuns: int

+ getTotalSuccessMaterialVolume() : float + getProcessCost() : float

+ getSuccessMaterialVolume() : float

+ getSuccessMaterialMap() : MaterialMap

+ getTotalSuccessMaterialMap() : MaterialMap

+ getSuccessProcessCost() : float

+ getTotalSuccessProcessCost() : float

+ getSuccessMaterialBuyCost(maxPriceDataAge: int) : float

+ getTotalSuccessMaterialBuyCost(maxPriceDataAge: int) : float

+ __construct(producesTypeID: int, inventionTime: int, proce...

+ getTotalSuccessCost(maxPriceDataAge: int) : float

+ printData() : void

inventionChance: float

+ getResultRuns(): int + getResultME(): int

+ getResultPE(): int

+ getInventionChance() : float + getSuccessTime() : float

+ getTotalSuccessTime() : float + getTotalSuccessTimes() : array

resultRuns: int

resultME: int

resultTE: int

ReverseEngineerProcessData

+ __construct(reverseEngineerBpID: int, reverseE...

assemblyLines: array # solarSystem: SolarSystem # tax: float # teams: array # skillTimeModifiers: array # implantTimeModifiers: array + getByNpcStation(stationID: int) : IndustryModifier + getByBySystemIdForPos(solarSystemID: int, tax: float) : IndustryModifier + getBySystemIdForAllNpcStations(solarSystemID: int) : IndustryModifier $+ \ \underline{getBySystemIdWithAssembly(solarSystemID:\ int,\ assemblyLineTypeID...}$ + __construct(system: SolarSystem, assemblyLines: array, teams: array, ... + getAssemblyLines() : array **Team** + getAssemblyLinesForActivity(activityID: int): array + getSolarSystem() : SolarSystem - teams: array + getTax(): float + getImplantTimeModifiers(): array - internalCacheHit: int + getImplantTimeModifierForActivity(activityID: int) : float # teamID: int + setImplantTimeModifierForActivity(modifier: float, activityID: int): void # solarSystemID: int + setImplantTimeModifiers(modifiers: array) : void # creationTime: int + getSkillTimeModifiers() : array # expiryTime: int 0..* # activityID: int + getSkillTimeModifierForActivity(activityID: int) : float $+\ setSkillTimeModifiers (modifiers:\ array)\ :\ void$ # teamName: string + setSkillTimeModifierForActivity(modifier: float, activityID: int): void # costModifier: float + getTeams() : array # specialityID: int + getTeamsForActivity(activityID: int) : array # bonusIDs: array # bonusValues: array + setTeams(teams: array) : void + setTeamsForActivity(teams: array, activityID: int): void # workerSpecialities: array + isActivityPossible(activityID: int, type: Type) : bool + getModifier(activityID: int, type: Type) : array + getTeam(teamID: int) : Team #__construct(teamID: int) : Team + getBestAssemblyLineForActivity(activityID: int, type: Type) : Assembly... + getBestTeamForActivity(activityID: int, type: Type) : Team + getTeamID(): int + getSolarSystemID(): int + getCreationTime() : int + getExpiryTime(): int + getActivityID(): int + getTeamName() : string **SolarSystem** + getCostModifier() : float + getSpecialityID(): int + getBonusIDs() : array 0. * - systems: array + getBonusValues() : array systemNames: array + getWorkerSpecialities() : array internalCacheHit: int + isTypeCompatible(type: Type) : bool # solarSystemID: int + isGroupIDCompatible(groupID: int) : bool # systemName: string + getWorkerIDsForGroupID(groupID: int) : array # regionID: int + getModifiersForGroupID(groupID: int) : array # constellationID: int # security: float # industryIndexDate: int # industryIndices: array # stationIDs: array # teamIDs: array **Speciality** + getSolarSystem(solarSystemID: int) : SolarSystem + getSolarSystemIdByName(solarSystemName: string) : int - specialities: array + <u>getSolarSystemByName(solarSystemName: string) : SolarSystem</u> internalCacheHit: int # loadSolarSystemNames(): void # specialityID: int + <u>deleteSolarSystemsFromCache(solarSystemIDs: array) : bool</u> # specialityName: string #__construct(solarSystemID: int) : SolarSystem # specialityGroupIDs: array + getSolarSystemID(): int + getSolarSystemName() : string + getSpeciality(specialityID: int) : Speciality + getRegionID(): int # __construct(specialityID: int) : Speciality + getConstellationID(): int + getSpecialityID(): int + getSecurity() : float + getSpecialityGroupIDs() : array + getStationIDs() : array

+ getStations() : array
+ getTeamIDs() : array
+ getTeams() : array

+ getIndustryIndexDate(): int

+ getIndustryIndices(maxIndexDataAge: int) : array

+ setIndustryIndices(indices: array) : void

 $+ getIndustryIndexForActivity(activityID: int, \ maxIndexDataAge: int): float$

+ appliesToGroupID(groupID: int) : bool

IndustryModifier

- assemblyLines: array internalCacheHit: int # assemblyLineTypeID: int # assemblyLineTypeName: string # baseTimeMultiplier: float # baseMaterialMultiplier: float # baseCostMultiplier: float # activityID: int # groupModifiers: array # categoryModifiers: array + getAssemblyLine(assemblyLineTypeID: int) : AssemblyLine + getBestPosAssemblyLineTypeIDs(systemSecurity: float): array + getHisecStationAssemblyLineTypeIDs(): array #__construct(assemblyLineTypeID: int) : AssemblyLine + getAssemblyLineTypeID(): int + getAssemblyTypeName() : string + getBaseTimeMultiplier() : float + getBaseMaterialMultiplier() : float + getBaseCostMultiplier() : float 1..* + getActivityID(): int + getGroupModifiers() : array + getCategoryModifiers() : array + getModifiersForType(type: Type) : array

AssemblyLine

Station

- stations: array

- <u>internalCacheHit: int</u>

+ isTypeCompatible(type: Type) : bool

stationID: int

stationName: string

solarSystemID: int

operationID: int

stationTypeID: int

corporationID: int

reprocessingEfficiency: float

tax: float

assemblyLineTypeIDs: array

 $+ \, \underline{\text{getStation(stationID: int)} : Station} \\$

+ <u>deleteStationsFromCache(stationIDs: array) : bool</u>

__construct(stationID: int) : Station

+ getStationID(): int

+ getStationName() : string

+ getSolarSystemID(): int

+ getSolarSystem() : SolarSystem

+ getOperationID(): int

+ getCorporationID() : int

+ getReprocessingEfficiency() : float

+ getTax() : float

+ getAssemblyLineTypeIDs(): array

+ getAssemblyLineTypeIDsForActivity(activityID: int) : array

MaterialMap

materials: array

+ addMaterial(typeID: int, quatity: int): void

+ addMaterials(materials: array): void

+ subtractMaterial(typeID: int, quantity: int): void

+ <u>symmetricDifference(m1: MaterialMap, m2: MaterialMap) : void</u>

+ addMaterialMap(materials: MaterialMap) : void

+ getMaterials() : array

+ getMultipliedMaterialMap (factor: float): MaterialMap

+ reprocess Materials (equipment Yield: float, reprocessing Tax Fa...

+ getMaterialVolume() : float

+ getMaterialBuyCost(maxPriceDataAge: int): float

+ getMaterialSellValue(maxPriceDataAge: int) : float

MaterialParseResult

unparseables: array

+ addUnparseable(unparseable: string) : void

+ getUnparseables() : array

SkillMap

SkillMap: array

+ sanityCheckSkillLevel(skillLevel: int) : bool

+ addSkill(skillID: int, level: int) : void

+ addSkillMap(skillMap: SkillMap) : void

+ getSkills() : array