Name: MAT Model
Package: Logical Model
Version: 1.0

Version: 1. Author:

«interface» model::MatModel

+ getElements() : Collection<Element>

+ getElement(int) : Element

+ getSWSignature(): long

+ getType(String): Element + getProperties(): Properties

+ getTypes(): Set<String>

△ ¦ «realize»

MatInterfaceModel

logger: Logger = Logger.getLogge...

props: Properties

elements: Map<Integer,Element>

types: Map<String,Element>

+ MatInterfaceModel(Properties)

+ getElements(): Collection<Element>

+ getTypes() : Set<String>+ getType(String) : Element

+ getElement(int) : Element

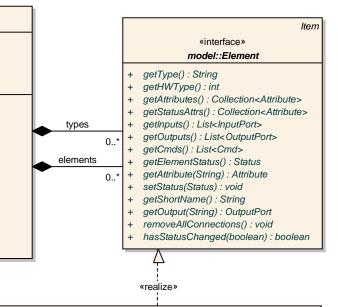
initialise() : voidreadElement(int) : Element

readType(int): Element
 loadEnumAttribute(Element, String, String, int, AttrSysType, String, int, String): Attribute

+ toString(): String

+ getSWSignature(): long

+ getProperties() : Properties



BasicElement

- <u>logger: Logger = Logger.getLogge...</u>

id: int

type: String

hwType: int

inputs: List<InputPort>

outputs: List<OutputPort>attributes: Map<String,Attribute>

- cmds: List<Cmd>

status: ElementStatusstatusHasChanged: boolean

+ BasicElement(int, String, int)

+ BasicElement(int, String, Int)
+ BasicElement(int, String, Element)

- cloneAttributesFromType(Element, Element) : Map<String,Attribute>

- cloneOutputsFromType(Element) : List<OutputPort>

cloneInputsFromType(Element) : List<InputPort>

cloneCmdsFromType(Element) : List<Cmd>

getId():int

+ getType() : String

getHWType(): int

+ getAttributes(): Collection<Attribute>

+ getAttribute(String) : Attribute

+ getStatusAttrs(): Collection<Attribute>

+ getInputs() : List<InputPort>

+ getOutputs() : List<OutputPort>

+ getCmds(): List<Cmd>

+ addAttribute(Attribute) : void

- addInputPort(InputPort) : void

+ addOutputPort(OutputPort) : void

+ addCmd(Cmd) : void

+ toString(): String

getElementStatus(): Status

+ setStatus(Status) : void

+ hashCode(): int

+ equals(Object) : boolean

+ getShortName() : String

+ getOutput(String) : OutputPort

removeAllConnections(): voidhasStatusChanged(boolean): boolean