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1 SystemComponentArchitecture SmartINSystemMultiMoveRobotino
2 {
3     ComponentInstance SafetyOfficer instantiates SmartINJoystickServer
4     {
5         RequiredService EnforcementReport_Send
6         ProvidedService JoystickServcieOut
7     }
8     ComponentInstance RobotOperator instantiates SmartINJoystickServer
9     {
10        RequiredService EnforcementReport_Send
11        ProvidedService JoystickServcieOut
12    }
13    ComponentInstance SJMan instantiates SmartINJoystickManager
14    {
15        RequiredService JoystickServiceIn_1
16        RequiredService JoystickServiceIn_2
17        RequiredService JoystickServiceIn_3
18        RequiredService JoystickServiceIn_4
19        RequiredService JoystickServiceIn_5
20        ProvidedService JoystickServiceOut
21        ProvidedService Report_QueryResponder
22    }
23    ComponentInstance SJNav instantiates SmartINJoystickNavigation
24    {
25        RequiredService JoystickServiceIn
26        RequiredService NavVelServiceOut
27        RequiredService EnforcementReply_Send
28        RequiredService EnforcementInstruction_Push
29    }
30    ComponentInstance WebotsLink instantiates ComponentWebots
31    {
32    }
33    ComponentInstance Robotino instantiates ComponentWebotsMobileRobot
34    {
35        RequiredService LocalizationEventServiceIn
36        ProvidedService BaseStateServiceOut
37        ProvidedService NavigationVelocityServiceIn
38        ProvidedService LocalizationUpdateServiceIn
39        ProvidedService BaseStateQueryServiceAnsw
40    }
41    ComponentInstance Enforcer instantiates EnforcerCat1
42    {
43        RequiredService EnforcementInstruction_Send
44        RequiredService Report_QueryRequester
45        ProvidedService EnforcementInstruction_Push
46        ProvidedService EnforcementReport_Send
47        ProvidedService EnforcementReply_Send
48    }
49
50    Connection SJNav.JoystickServiceIn -> SJMan.JoystickServiceOut
51    Connection SJNav.NavVelServiceOut ->
    Robotino.NavigationVelocityServiceIn
52    Connection SJMan.JoystickServiceIn_2 ->

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RobotOperator.JoystickServiceOut
53   Connection SafetyOfficer.EnforcementReport_Send ->
    Enforcer.EnforcementReport_Send
54   Connection RobotOperator.EnforcementReport_Send ->
    Enforcer.EnforcementReport_Send
55   Connection SJMan.JoystickServiceIn_1 ->
    SafetyOfficer.JoystickServiceOut
56   Connection Enforcer.Report_QueryRequester ->
    SJMan.Report_QueryResponder
57   Connection SJNav.EnforcementReply_Send ->
    Enforcer.EnforcementReply_Send
58   Connection SJNav.EnforcementInstruction_Push ->
    Enforcer.EnforcementInstruction_Push
59 }
```