```
1      (*
2      * File: Stop Management
3      * Author: Jaime Calvente Mieres
4      * Date: 14-08-2022
5      * Description: Action to Manage the Emergency Stop and Soft Stopt
       management.
6      *)
7
8      // If Emergency Stop is pressed Reset the system
9      IF NOT Emergency_Stop THEN
10
11         System_Active        := FALSE ;
12         Entry_Convey         := FALSE ;
13         Load_Scale_Convey    := FALSE ;
14         Left_Convey          := FALSE ;
15         Right_Convey         := FALSE ;
16         Front_Convey         := FALSE ;
17         M_Box_To_Front       := FALSE ;
18         M_Box_To_Left        := FALSE ;
19         M_Box_To_Right       := FALSE ;
20         M_Right_Convey       := FALSE ;
21         M_Entry_Convey       := FALSE ;
22         M_Load_Convey        := FALSE ;
23         Load_Timer . IN      := FALSE ;
24         Scale_Timer . IN        := FALSE ;
25         M_Front_Convey       := FALSE ;
26         M_Left_Convey        := FALSE ;
27         // Counters Reset
28         Right_Counter        := 0 ;
29         Right_Count          := 0 ;
30         Left_Counter         := 0 ;
31         Left_Count           := 0 ;
32         Front_Counter        := 0 ;
33         Front_Count          := 0 ;
34
35     END_IF
36
37
38     // If Stop button Reset System and Activate Soft_Stop bit
39     IF NOT Stop THEN
40         Soft_Stop_Active := TRUE ;
41         System_Active := FALSE ;
42     END_IF
43
```