

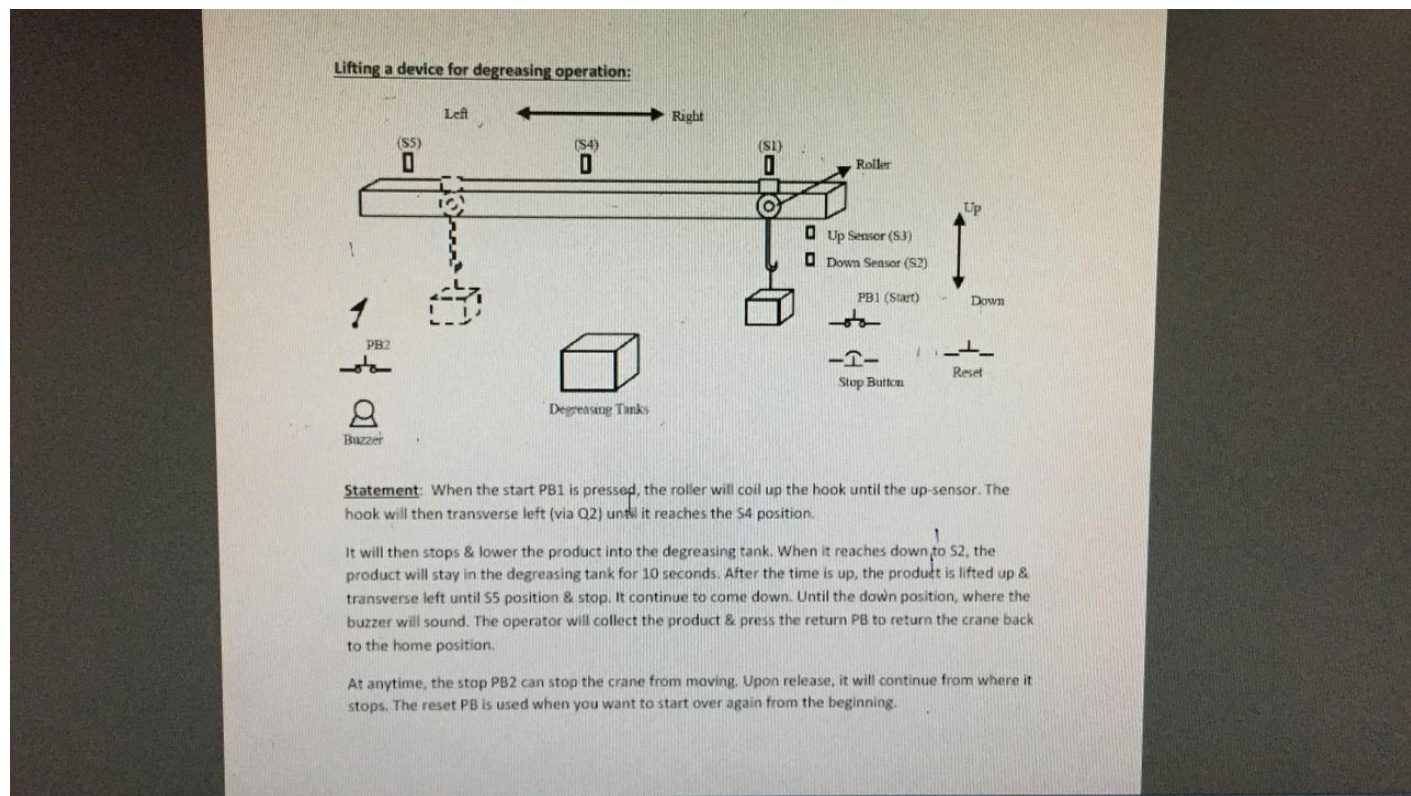
## Introduction:

These are the Screenshots of the file “DEGtank.zm2”. “.zm2” extension is for Zelio\_Soft\_2 software which belongs to “**Schneider Electric**”, a well reputed company in the field of Industrial Automation.

**Schneider Electric** is a [European](#) multinational company providing energy and automation digital solutions for efficiency and sustainability. It addresses homes, buildings, data centers, infrastructure and industries, by combining energy technologies, real-time automation, software and services. Zelio\_Soft\_2 software belongs to the company itself.

In the Link box, the software link is provided to download the software to test the file of the project.

## Problem Statement:



### Sequence Operation for Executing the Project

I1 + I2 + I6	----->	Q1(ON)
Q1(ON) + I3	----->	Q1(OFF) + Q4(ON)
Q4(ON) + I4	----->	Q4(OFF) + Q2(ON)
Q2(ON) + I2	----->	Q2(OFF) + T1(ON for 10 sec)
T1(DONE)	----->	Q1(ON)
Q1(ON) + I3	----->	Q4(ON) + Q1(OFF)
Q4(ON) + I5	----->	Q4(OFF) + Q2(ON)
Q2(ON) + I2	----->	Q2(OFF) + Q5(ON)
Q5(ON) + ID	----->	Q5(OFF) + Q1(ON)
Q1(ON) + I3	----->	I1(OFF) + Q3(ON)
Q3(ON) + I1	----->	Q3(OFF) + Q2(ON)
Q2(ON) + I2	----->	Q2(OFF)

How to perform the sequence Operations:

1. Press I1, I2 and I6, by this Q1 will be on. Close I1, I6 and I2.
2. Then press I3. By this Q1 will be off and Q4 will be on. Close I3.
3. Then press I4. by this Q4 will be off and Q2 will be on. Close I4.
4. Press I2. By this Q2 will be off and after 10 seconds T1 (Timer will be on). Close I2
5. When the Timer bit will be done. Q1 will be On.
6. Press I3. Q4 will be on and Q1 will be off. Close I3
7. Press I5. then Q4 will be off and Q2 will be On. Close I5
8. Press I2. then Q2 will be off and Q5 will be on. Close I2
9. Then press ID. By this Q5 will be off and Q1 will be on. Close ID
10. I3 press. Then I1 will be off and Q3 will be on. Close I3
11. Press I1. Then Q3 will be off and Q2 will be on. Close I1
12. Press the I2 which will off the Q2 as well in the end. Close I2

Stop is used as - ->IB which will stop the operation at any moment,  
Reset is used --> IC which will start from the starting point again,  
PB2 is used -->ID, The ending point where the tank has to reach.

ZelioSoft 2 - [DEGtank.zm2 - Edit]

File Edit Mode Module Zelio2 COM Transfer Options Display Directories Window ?

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EDIT MODE

Zelio entry Ladder entry Configuration Text entry

No	Contact 1	Contact 2	Contact 3	Contact 4	Contact 5	Coil	Comment
001							
002	I1	I2	I6	m2	IC	[ M1 ]	
003	M1						
004	M1	I3	m3	IC		[ M2 ]	
005	M2						
006	M2	I4	m4	IC		[ M3 ]	
007	M3						
008	M3	I2	m6	IC		[ M4 ]	
009	M4						
010	M4					TT1	

31 Row(s) / 240

SR2E201BD

Ready

COM1 V5.3

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ZelioSoft 2 - [DEGtank.zm2 - Edit]

File Edit Mode Module Zelio2 COM Transfer Options Display Directories Window ?

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EDIT MODE

Zelio entry Ladder entry Configuration Text entry

No	Contact 1	Contact 2	Contact 3	Contact 4	Contact 5	Coil	Comment
010	M4					TT1	
011	T1					[ M5	
012	M5	I3	m7	IC		[ M6	
013	M6						
014	M6	I5	q5	IC		[ M7	
015	M7						
016	M7	I2	m8	IC		[ Q5	
017	Q5						
018	Q5	I0	q3	IC		[ M8	
019	M8						

31 Row(s) / 240

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Ready

COM1 V5.3

Type here to search

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ZelioSoft 2 - [DEGtank.zm2 - Edit]

File Edit Mode Module Zelio2 COM Transfer Options Display Directories Window ?

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EDIT MODE

Zelio entry Ladder entry Configuration Text entry

No	Contact 1	Contact 2	Contact 3	Contact 4	Contact 5	Coil	Comment
020	M8	I3	m9	IC		[ Q3	
021	Q3						
022	Q3	I1	mA	IC		[ M9	
023	M9						
024	M9	I2				[ MA	
025	M1	IB				[ Q1	
026	M5						
027	M8						
028	M3	IB				[ Q2	
029	M7						

31 Row(s) / 240

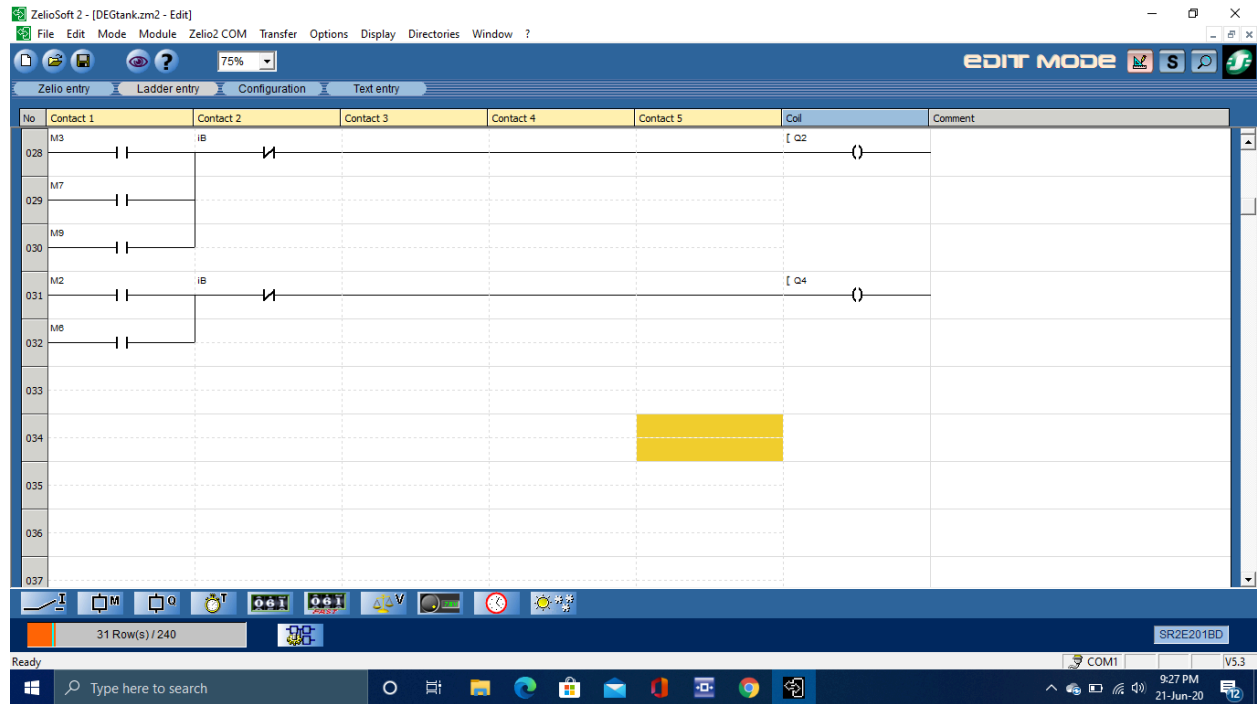
SR2E201BD

Ready

COM1 V5.3

Type here to search

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**Link for the Execution of Project:**

<https://youtu.be/wljdrs0UbSE>

<https://drive.google.com/file/d/1pPk1S2OkgD8Z8LTFpCkV9RP6AG0oKxZP/view?usp=sharing>