

# Certificate

## of conclusion

*We certify that*

*Marcus Vinícius Leal de Carvalho*

*Concluded the course "PLC - Programmable Logic Controllers"*

*of the Continuing Education Program of Portal Educação, as a participant, on 02/23/2018*

*Workload : 192 h*

  
**MARCELO MARTINEZ**  
DIRETOR EXECUTIVO

## *Programmatic Content of the CLP Course - Programmable Logic Controllers*

*Module 1 - Introduction and Programming Introduction to the PLC*

*Evolution of control systems*

*PLC programming languages*

*Modules 2, 3 and 4 - Modules, Diagrams, Combinational and Sequential Systems. Programmable Logic Controllers*

*Contact diagrams*

*Counter*

*Basic instructions*

*Modules 5 and 6 - Human Machine Interface and Networks*

*Industrials. Human Machine Interfaces*

*Industrial Networks*

Continuing Education Program

Certificate Registered Under No. 3686939 on 02/23/2018

Validate: [www.portaleducacao.com.br/certificado](http://www.portaleducacao.com.br/certificado)

Attention: This certificate is valid for curricular and in proof of titles, such as an update certificate/ improvement/extension, respecting the workload

described and cannot be used for other purposes. is not a professionalizing technical certificate, not a certificate graduation, and does not entitle the participant to use the even illegally or in the absence of law, of organs professionals to competent authorities.

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