

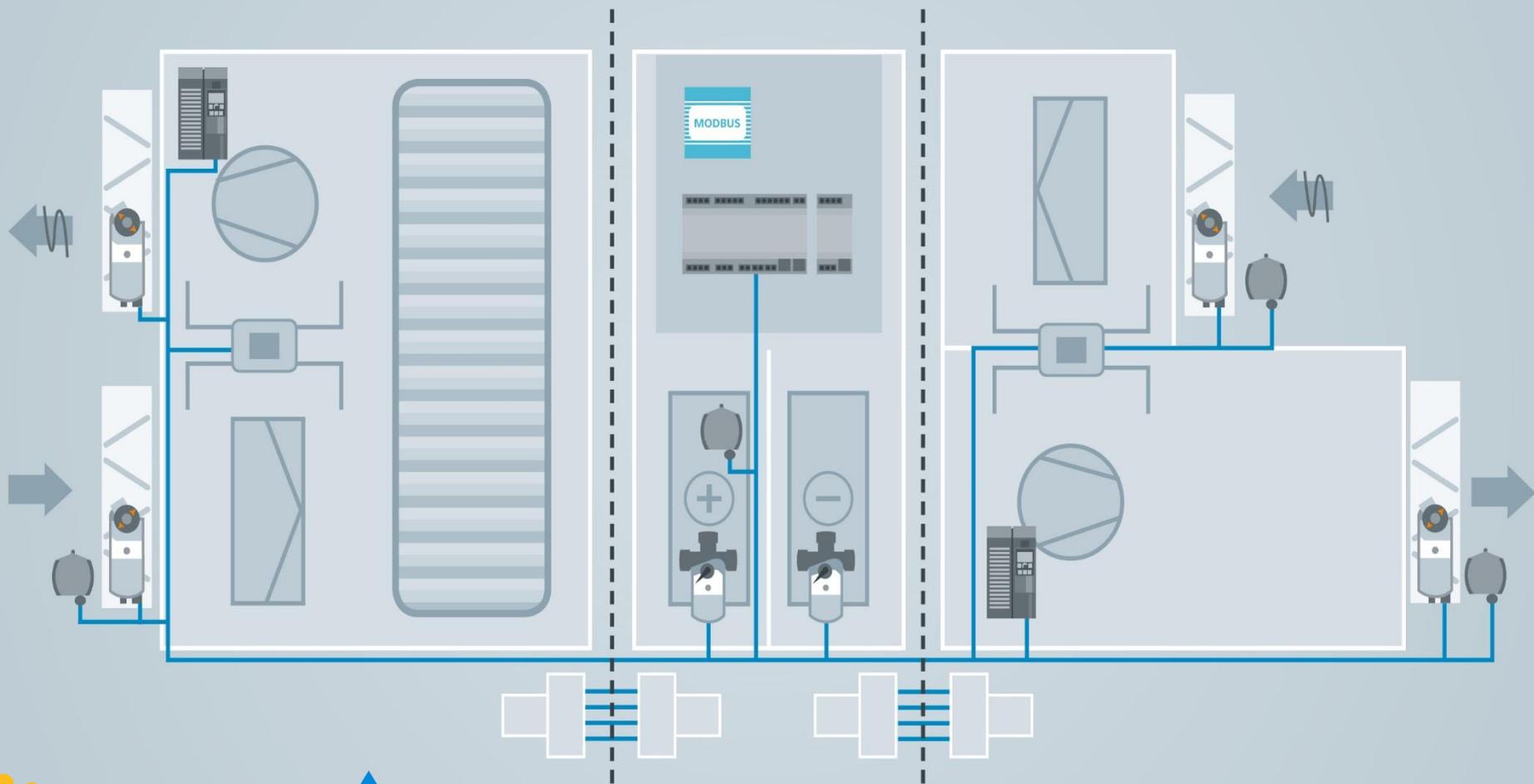
**CURSO DE FORMACIÓN EN:
REDES INDUSTRIALES
MULTIMARCA**



INGEL-PRO

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SIEMENS



**CURSO DE FORMACIÓN EN:
REDES INDUSTRIALES
MULTIMARCA**



INGEL-PRO

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Dirigido a:

Estudiantes, técnicos, tecnólogos e ingenieros en las ramas de automatización y control industrial.

Conocimientos previos:

Electricidad básica residencial.

Inicio:

Feriado de noviembre de 2017.
Del 2 al 5 de noviembre.

Horarios:

Grupo1: del 2 al 5 de noviembre en horario:
de 8:30 a 13:30

Grupo2: del 2 al 5 de noviembre en horario:
de 14:30 a 19:30

Duración:

20 horas.

Lugar:

Laboratorios InGel-Pro, Quito.

Inversión:

Público en general: \$250 + IVA
Personas de fuera de la provincia
de Pichincha: \$200 + IVA.

Inscripciones:

logistica@ingel-pro.com
02 3 123 021
0998 660 774 (WhatsApp)
www.ingel-pro.com

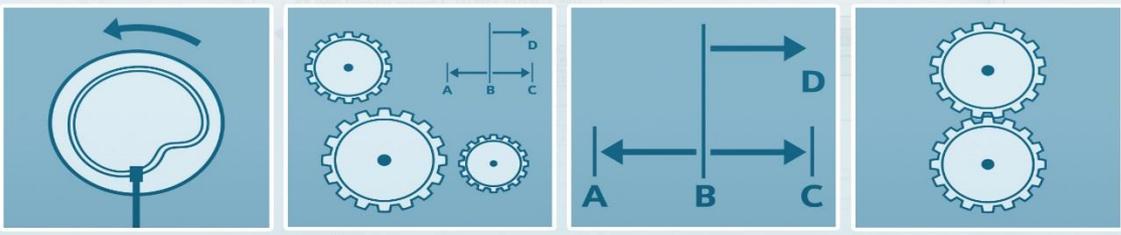
CURSO DE FORMACIÓN EN: CONTROL DE VARIADORES DE FRECUENCIA MULTIMARCA



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01:240_Snk_HomCard	0 Output pulse
01:241_Snk_PwrCard	0 Output pulse
01:242_Snk_PwrCard	0 Output pulse
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01:244_Snk_PwrCard	0 Output pulse
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01:292_Snk_PwrCard	0 Output pulse
01:293_Snk_PwrCard	0 Output pulse
01:294_Snk_PwrCard	0 Output pulse
01:295_Snk_PwrCard	0 Output pulse
01:296_Snk_PwrCard	0 Output pulse
01:297_Snk_PwrCard	0 Output pulse
01:298_Snk_PwrCard	0 Output pulse
01:299_Snk_PwrCard	0 Output pulse
01:300_Snk_PwrCard	0 Output pulse



SIEMENS





**CURSO DE FORMACIÓN EN:
CONTROL DE VARIADORES DE
FRECUENCIA MULTIMARCA**



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Dirigido a:

Estudiantes, técnicos, tecnólogos e ingenieros en las ramas de automatización y control industrial.

Conocimientos previos:

Control industrial y fundamentos de PLC.

Inicio:

Sábado 11 de noviembre de 2017.

Horario:

Un fin de semana intensivo:

Sábado 11 y domingo 12 de noviembre.

De 08:30 a 19:30

La jornada incluye descansos para refrigerios y una hora de almuerzo (valor no incluido).

Duración:

20 horas.

Lugar:

Laboratorios InGel-Pro, Quito.

Inversión:

Público en general: \$250 + IVA

Personas de fuera de la provincia de Pichincha: \$200 + IVA.

Inscripciones:

logistica@ingel-pro.com

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0998 660 774 (WhatsApp)

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CURSO DE CERTIFICACIÓN SIEMENS: PROGRAMACIÓN BÁSICA DE PLC CON LOGO!



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The image is a promotional collage for a Siemens LOGO! PLC course. In the foreground, a grey Siemens LOGO! PLC unit (model 6ED1 052-1FB00-0B A8) is shown. Its screen displays 'Temperature +39.3 °C'. The unit features a terminal block with inputs labeled L1, N, T1, T2, T3, T4, T5, T6, T7, T8 and outputs labeled Q1, Q2, Q3, Q4. It also has a LAN port and a power input labeled 'AC/DC 115...240V INPUT 8xAC/DC'. In the background, a computer monitor displays the LOGO!Soft Comfort software interface. The 'Netzwerksicht' (Network View) window shows a network diagram with a 'Lokaler PC' connected to two LOGO! 8.FS4 modules (192.168.0.2 and 192.168.0.3) and a 'Modbus_1' module (192.168.0.4). Another monitor shows a 'Diagramm-Editor' window with a ladder logic diagram for 'LOGO! 8.FS4_1 Diagramm'. The diagram includes logic involving inputs A11, A12, B001, B002, B003, B004, B005, Q1, M20, M21, M22, M23, M24, M25, M26, M27, M28, M29, M30, M31, M32, M33, M34, M35, M36, M37, M38, M39, M40, M41, M42, M43, M44, M45, M46, M47, M48, M49, M50, M51, M52, M53, M54, M55, M56, M57, M58, M59, M60, M61, M62, M63, M64, M65, M66, M67, M68, M69, M70, M71, M72, M73, M74, M75, M76, M77, M78, M79, M80, M81, M82, M83, M84, M85, M86, M87, M88, M89, M90, M91, M92, M93, M94, M95, M96, M97, M98, M99, M100, M101, M102, M103, M104, M105, M106, M107, M108, M109, M110, M111, M112, M113, M114, M115, M116, M117, M118, M119, M120, M121, M122, M123, M124, M125, M126, M127, M128, M129, M130, M131, M132, M133, M134, M135, M136, M137, M138, M139, M140, M141, M142, M143, M144, M145, M146, M147, M148, M149, M150, M151, M152, M153, M154, M155, M156, M157, M158, M159, M160, M161, M162, M163, M164, M165, M166, M167, M168, M169, M170, M171, M172, M173, M174, M175, M176, M177, M178, M179, M180, M181, M182, M183, M184, 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M2157, M2158, M2159, M2160, M21

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Dirigido a:

Estudiantes, técnicos, tecnólogos e ingenieros en las ramas de automatización y control industrial.

Conocimientos previos:

Control eléctrico industrial.

Inicio:

Sábado 18 de noviembre de 2017.

Horario:

Sábado 18 de noviembre: de 08:30 a 19:30

Domingo 19 de noviembre: de 08:30 a 19:30

La jornada incluye descansos para refrigerios y una hora de almuerzo (valor no incluido).

Duración:

20 horas.

Lugar:

Laboratorios InGel-Pro, Quito.

Inversión:

Público en general: \$225 + IVA.

Personas de provincia: \$175 + IVA.

Inscripciones:

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Dirigido a:

Estudiantes, técnicos, tecnólogos e ingenieros en las ramas de automatización y control industrial.

Conocimientos previos:

Electricidad básica residencial.

Inicio:

Sábado 25 de noviembre de 2017.

Horario:

Sábado 25 de noviembre: de 08:30 a 19:30

Domingo 26 de noviembre: de 08:30 a 19:30

La jornada incluye descansos para refrigerios y una hora de almuerzo (valor no incluido).

Duración:

20 horas.

Lugar:

Centro de Fomento Productivo
Metalmecánico Carrocero.
Ambato – Ecuador.

Inversión:

Público en general: \$250 + IVA.

Inscripciones:

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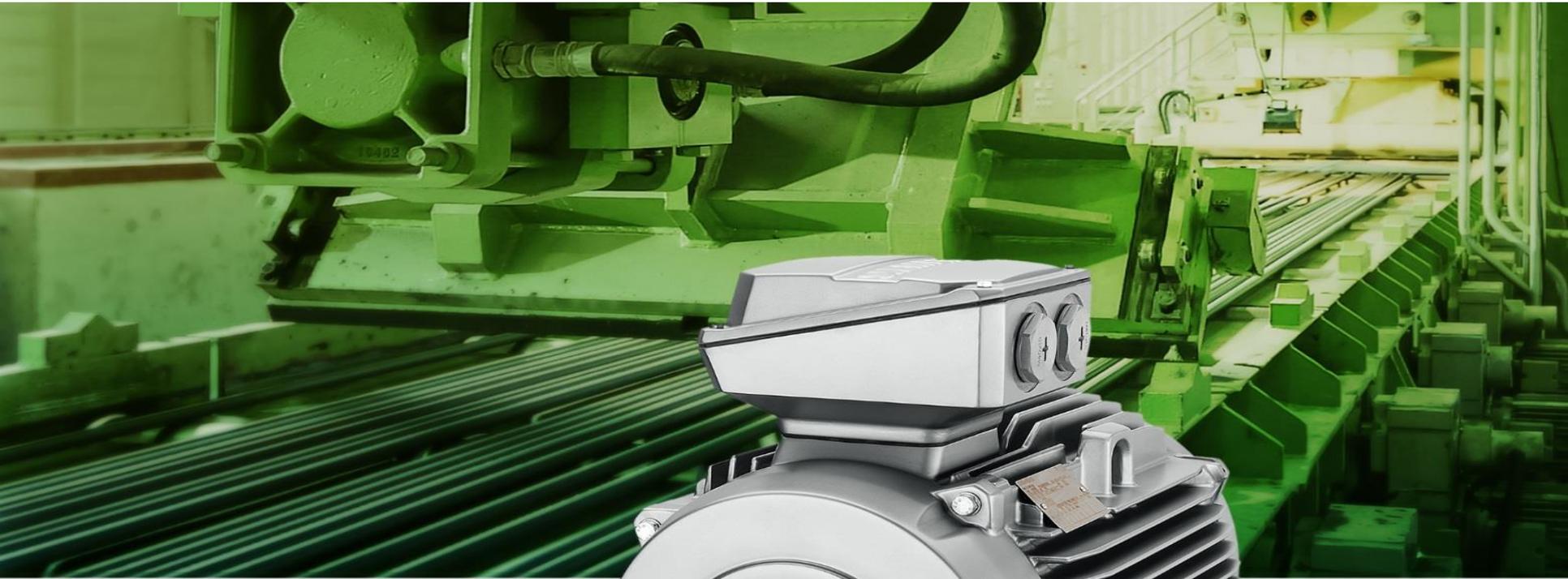
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Dirigido a:

Jefes, supervisores de producción, mantenimiento, ingeniería y personal de proyectos.

Conocimientos previos:

Conocimiento de procesos industriales y manejo de Excel.

Inicio:

Sábado 25 de noviembre de 2017.

Horario:

Sábado 25 de noviembre: de 09:30 a 17:30

Domingo 26 de noviembre: de 09:30 a 17:30

La jornada incluye descansos para refrigerios y una hora de almuerzo (valor no incluido).

Duración:

16 horas.

Lugar:

Centro de Fomento Productivo
Metalmeccánico Carrocero.
Ambato – Ecuador.

Inversión:

\$300 + IVA.

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CURSO CON CERTIFICACIÓN SIEMENS:
DIGITALIZACIÓN INDUSTRIAL
Indicadores en la nube con SIMATIC IoT 2040



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Descripción:

En la actualidad la industria y sus procesos están apuntando a una nueva etapa, conocida como industria 4.0 en donde uno de los grandes grupos se enfoca en el seguimiento y control en tiempo real de la maquinaria, procesos, trazabilidad, *Big Data* y el Internet de las Cosas.

Al culminar el entrenamiento, estará en la capacidad de obtener datos de producción, en el dispositivo y lugar en el que se encuentre.

Objetivos:

- ✓ Conocer los conceptos y aplicaciones de industria 4.0, así como las ventajas que representa su implementación práctica.
- ✓ Combinar las tecnologías de la Información y la Automatización (TICA's) dentro de un proceso productivo.
- ✓ Enviar datos de indicadores de producción directamente a la nube sin necesidad de configuración adicional.
- ✓ Comunicar SIMATIC IoT 2040 con diferentes protocolos y equipos de control.

CURSO CON CERTIFICACIÓN SIEMENS:
DIGITALIZACIÓN INDUSTRIAL
Indicadores en la nube con SIMATIC IoT 2040



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Dirigido a:

Estudiantes, técnicos, tecnólogos e ingenieros en las ramas de automatización y control industrial.

Conocimientos previos:

Fundamentos de programación en PLC's.

Inicio:

Sábado 18 de noviembre de 2017.

Horario:

Sábado 18 de noviembre: de 09:30 a 17:30

Domingo 19 de noviembre: de 09:30 a 17:30

La jornada incluye descansos para refrigerios y una hora de almuerzo (valor no incluido).

Duración:

16 horas.

Lugar:

Laboratorios InGel-Pro, Quito.

Inversión:

Público en general: \$150 + IVA.

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Módulo 1



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Dirigido a:

Estudiantes, técnicos, tecnólogos e ingenieros en las ramas de automatización y control industrial.

Conocimientos previos:

Control eléctrico industrial.

Inicio:

Grupo1: Sábado 18 de noviembre de 2017.

Grupo2: Sábado 25 de noviembre de 2017.

Horarios:

Un fin de semana, sábado y domingo intensivo:

De 08:30 a 19:30

La jornada incluye descansos para refrigerios y una hora de almuerzo (valor no incluido).

Duración:

20 horas.

Lugar:

Laboratorios InGel-Pro, Quito.

Inversión:

Público en general: \$275 + IVA.

Estudiantes pregrado: \$250 + IVA.

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**CURSO DE CERTIFICACIÓN SIEMENS:
PROGRAMACIÓN AVANZADA DE PLC
SIMATIC S7-1200**



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Dirigido a:

Estudiantes, técnicos, tecnólogos e ingenieros en las ramas de automatización y control industrial.

Conocimientos previos:

PLC y HMI nivel intermedio.

Inicio:

Lunes 13 de noviembre de 2017.

Horario:

Lunes a viernes: de 18:00 a 21:00

Duración:

24 horas.

Lugar:

Laboratorios InGel-Pro, Quito.

Inversión:

\$275 + IVA.

Inscripciones:

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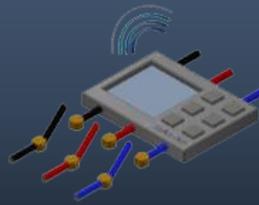
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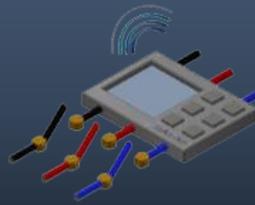
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Dirigido a:

Estudiantes, técnicos, tecnólogos e ingenieros en las ramas:
instrumentación, mecánica,
electromecánica y mecatrónica.

Conocimientos previos:

Autocad 2D y 3D básico.

Inicio:

Feriado de noviembre.

Horario:

Grupo1: del 2 al 5 de noviembre en horario:
de 8:30 a 13:30

Grupo2: del 2 al 5 de noviembre en horario:
de 14:30 a 19:30

Duración, 40 horas:

20 horas, presenciales.

20 horas de trabajo autónomo y proyecto.

Lugar:

Laboratorios InGel-Pro, Quito.

Inversión:

Público en general: \$225 + IVA.

Personas de provincia: \$175 + IVA.

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Mayor información e inscripciones:

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Lugar de las capacitaciones:

Laboratorios InGel-Pro
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Quito-Ecuador
Centro Carrocero. Ambato - Ecuador

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