

INDUSTRIAL BRAKE SYSTEM – INDUSTRY 4.0

VULKAN DO BRASIL

VULKAN
DRIVE TECH

VULKAN
DRIVE TECH



Mobile and stationary
Drive Technology

VULKAN
COUPLINGS



Marine Propulsion/
Gensets

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VULKAN HISTORY:



- Founded in 1889
- 3 business divisions: VULKAN Couplings, VULKAN Drive Tech and VULKAN Lokring.
- VULKAN Group is owned and managed by the Hackworth family – now in its fourth generation.
- 1.200 employees
- 18 subsidiaries
- Agencies covering 51 countries.
- 5 International Production plants located in Brazil, China, Germany, India and United States.

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DRIVE TECH

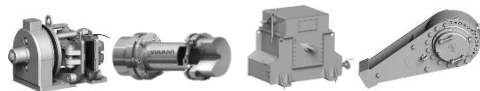
VULKAN BRAZIL – LATAM:



VULKAN Drive Tech

Products:

- Flexible couplings
- Rigid couplings (membrane, gear)
- Fluid couplings
- Industrial brakes
- high speed and low speed backstops
- resilient mounts



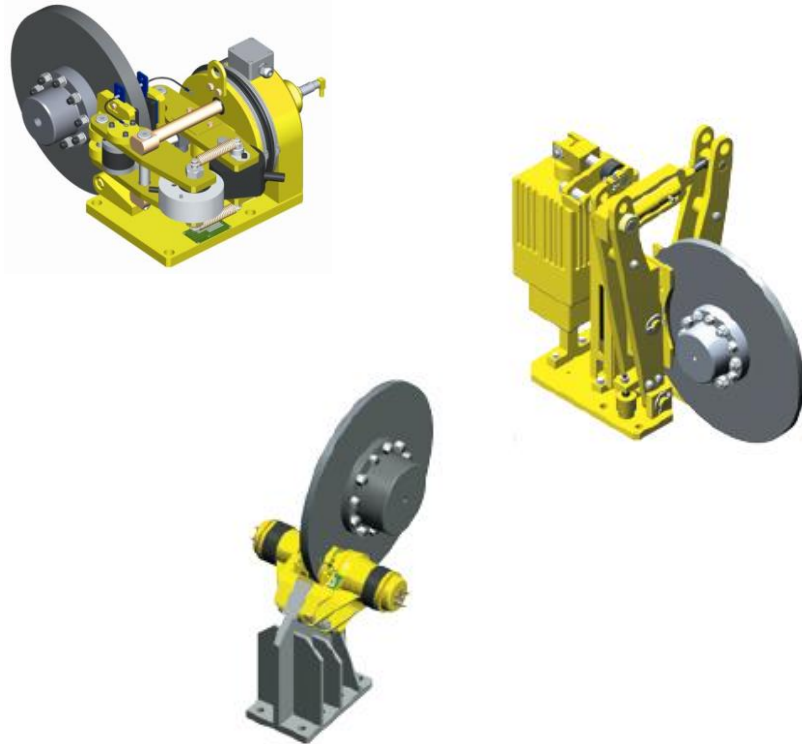
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INDUSTRY 4.0 :



DISC BRAKE

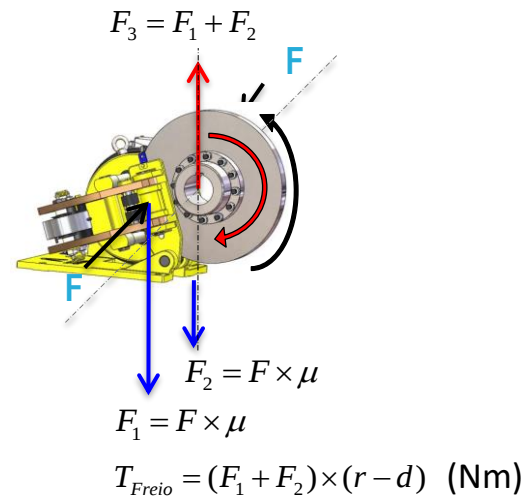


DRUM BRAKE



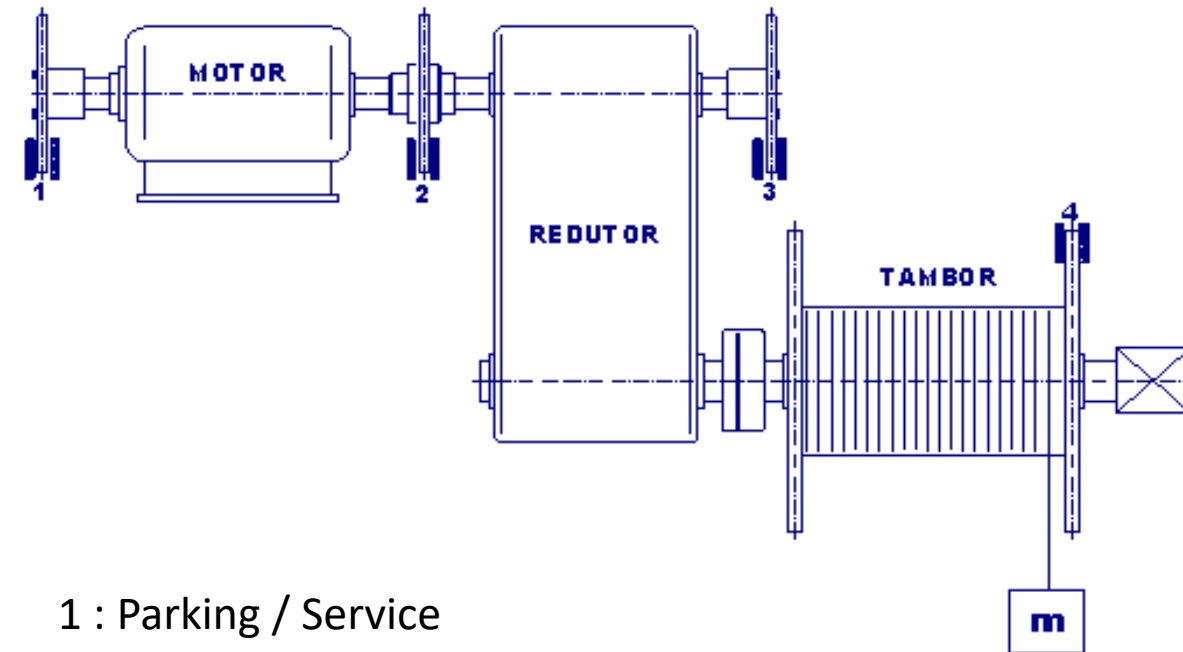
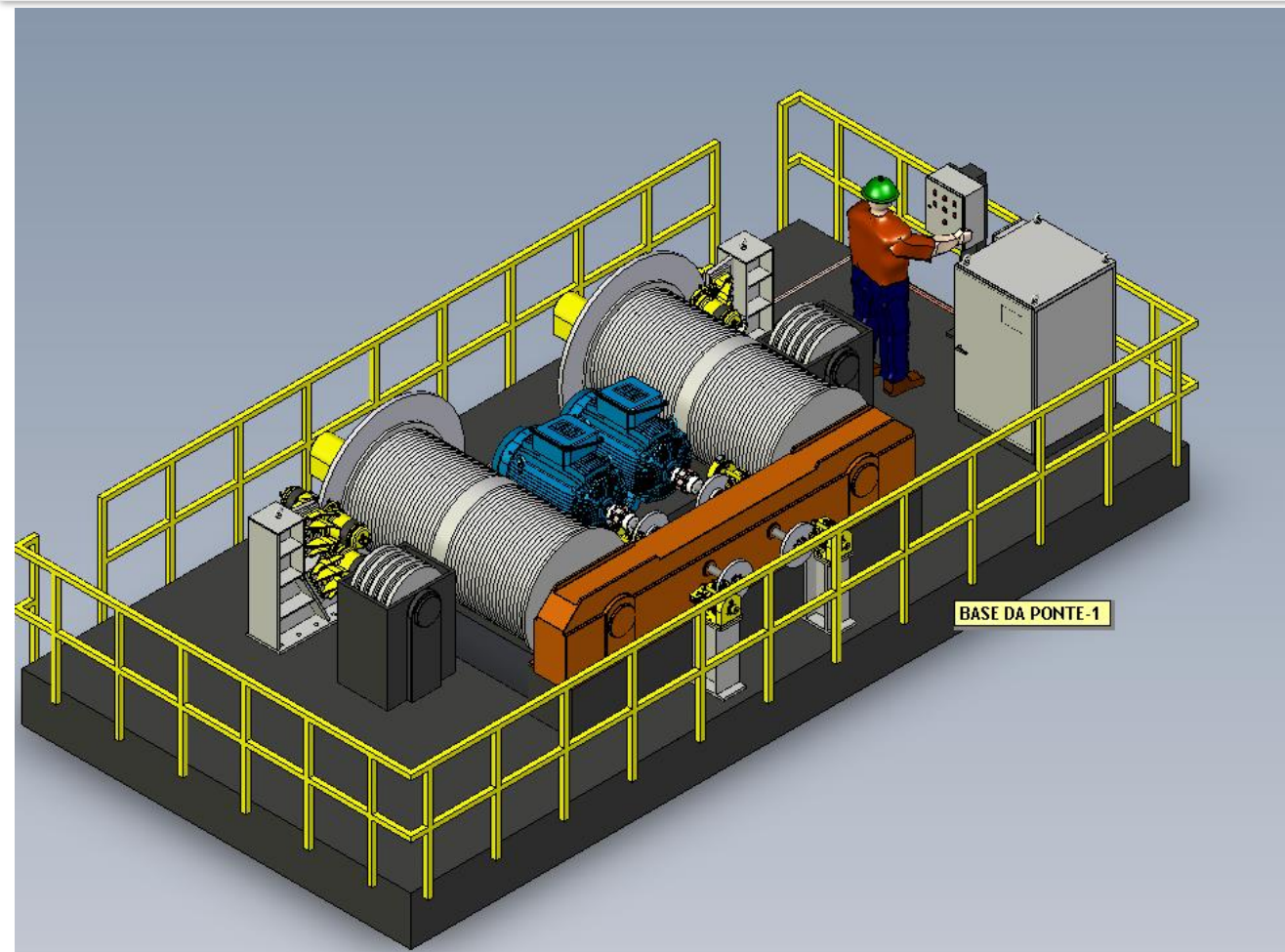
BASIC CONCEPTION OF A BRAKING SYSTEM

- Brake is the component which actuates on the brake disc or drum to transmit the braking force;
- Brake disc or drum are turning components which will transfer the braking force applied by the brake to the equipment to stop it;
- Pad is a friction material element that enter in contact with the brake disc providing the friction to stop it.



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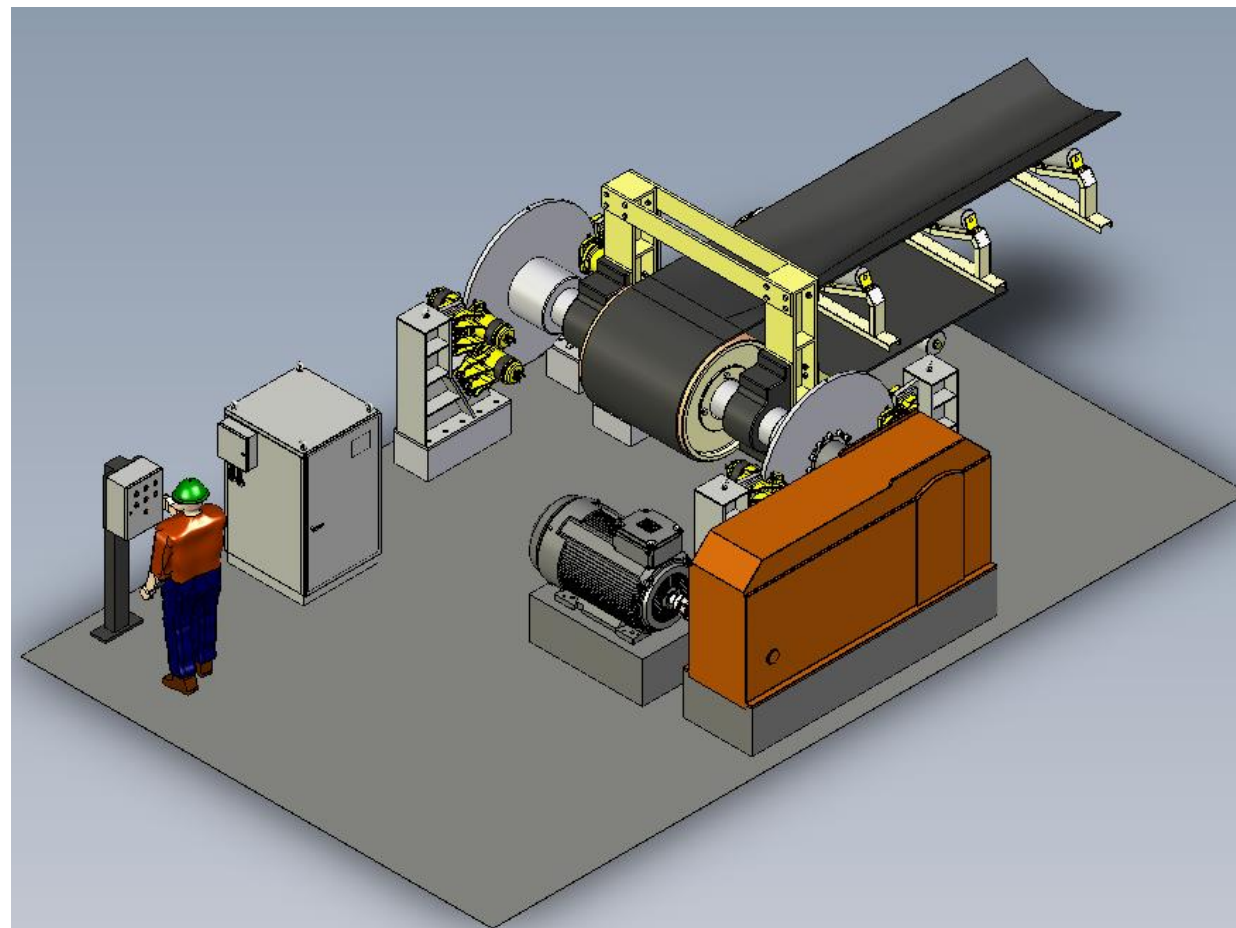


1 : Parking / Service

2 : Parking / Service

3 : Parking / Service

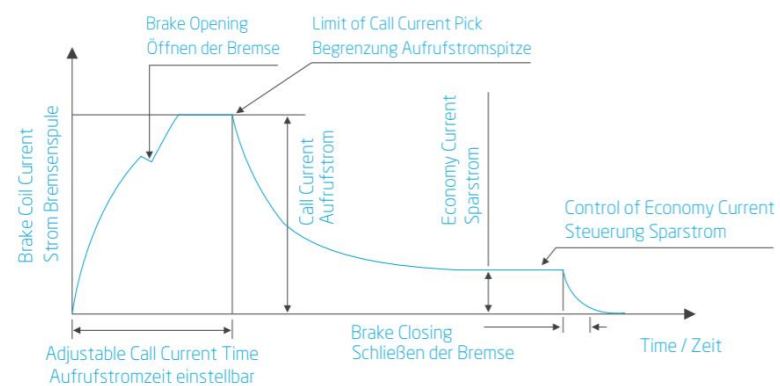
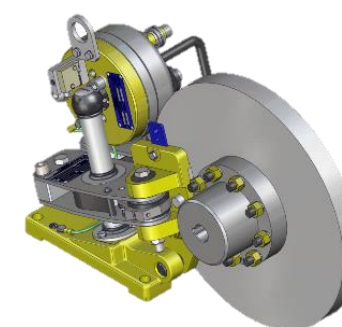
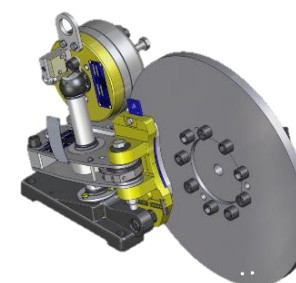
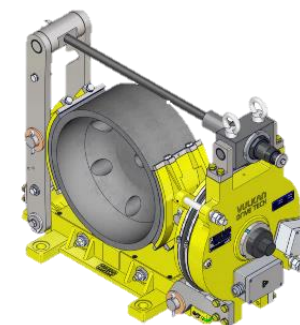
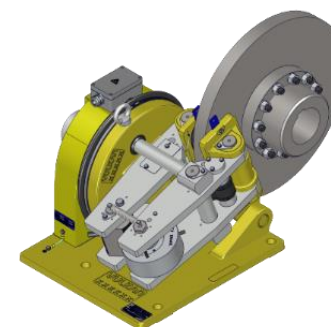
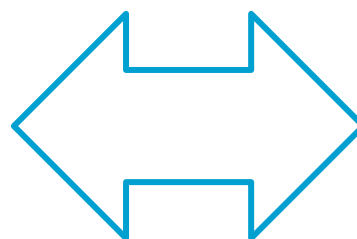
4 : Emergency



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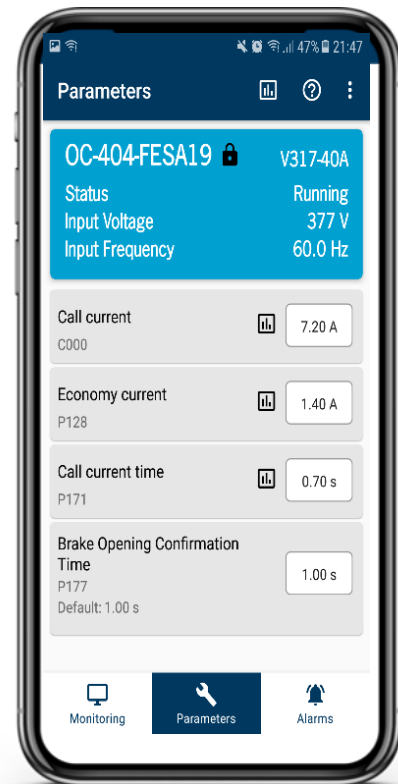
POWER SUPPLY – ELECTROMAGNETIC BRAKE

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Parameters

Vulkan VConnect easy allows a quick setup configuration for the several Brake models



Monitoring

It show us a real time parameters monitoring. Numbers, text or graphics is available.



Alarms

It can show real time fault. It provide the alarm information and how it can be solved.

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VCONNECT INSTALLATION KIT

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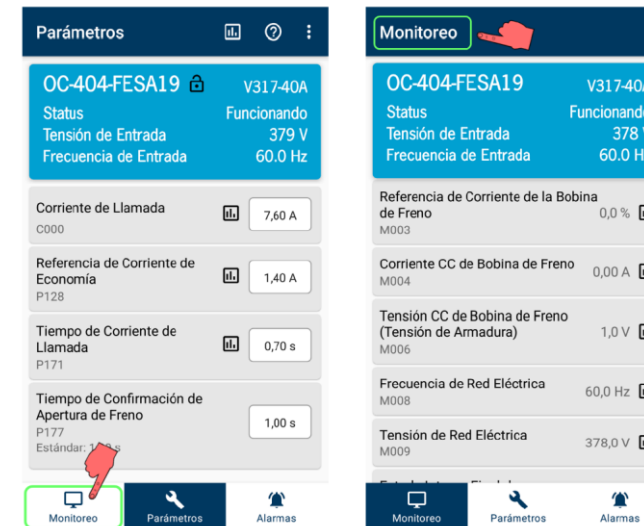


**Modbus Transmission
Speed: Select 57600 by
using the parameter C161
on HMI**



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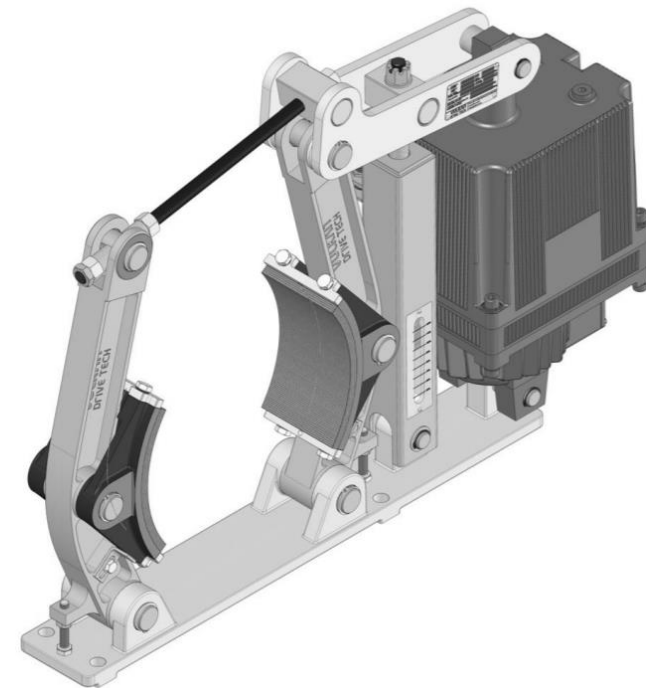
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ELECTROHYDRAULIC BRAKE

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FEHD-III G2

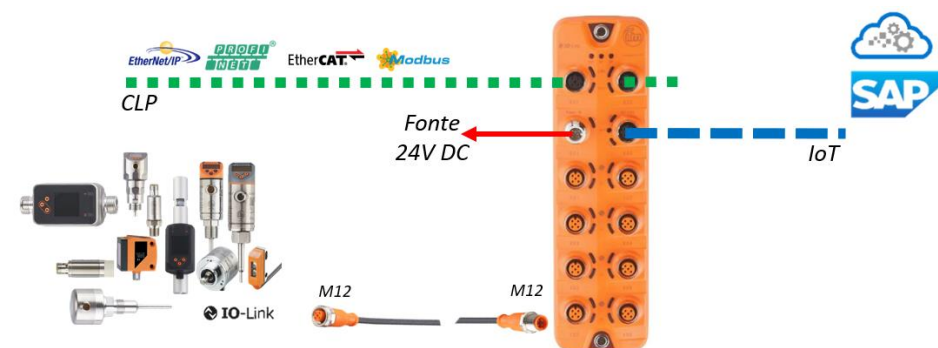
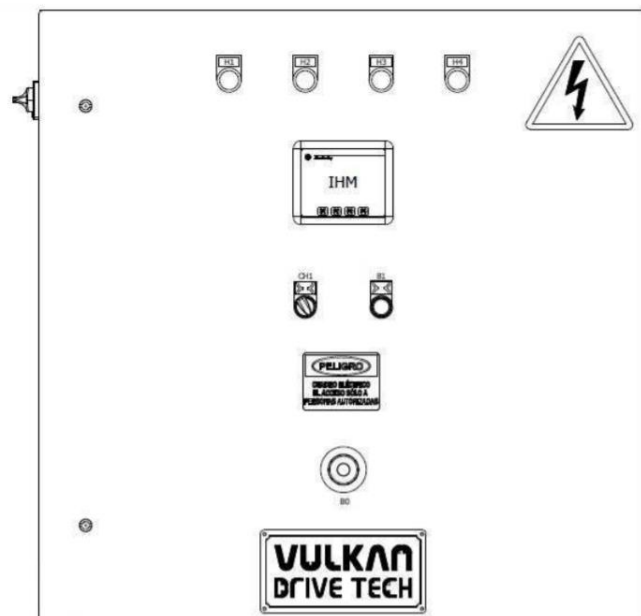


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ELECTROHYDRAULIC BRAKE

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OVERLAND CONVEYOR

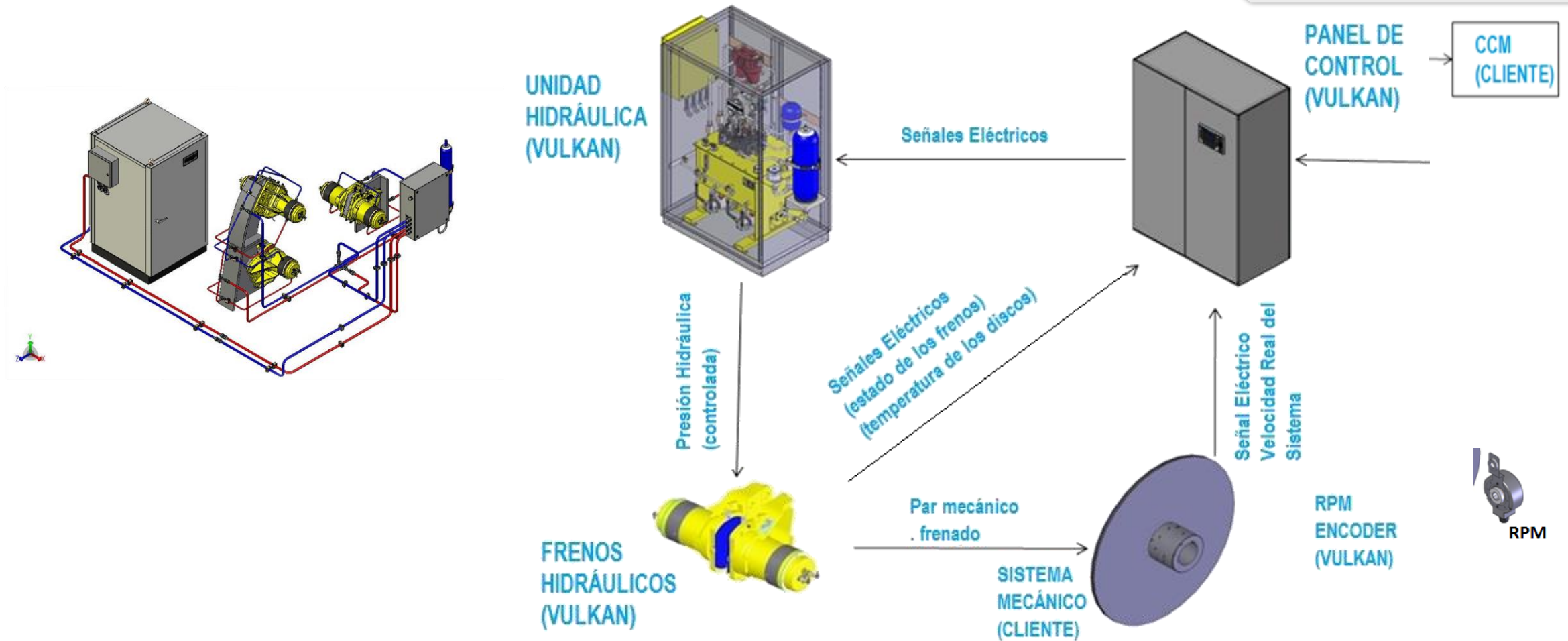
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INDUSTRIAL BRAKE SYSTEM – INDUSTRY 4.0

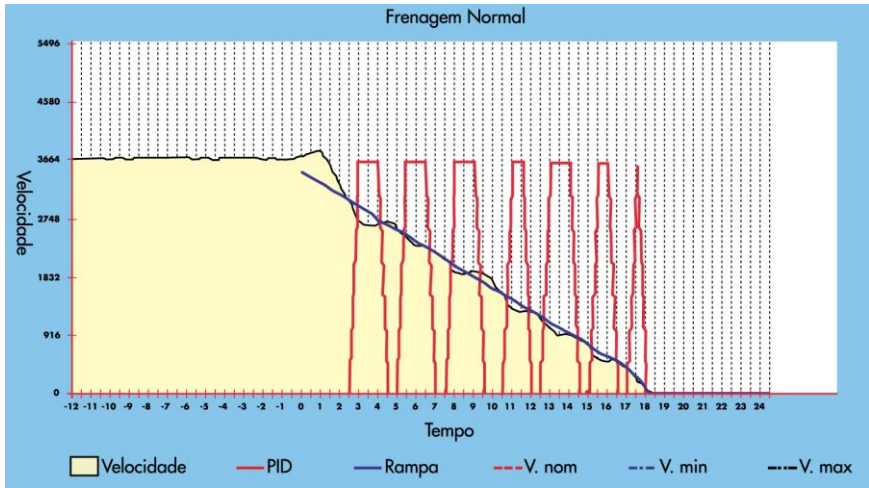
OVERLAND CONVEYOR

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DRIVE TECH



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SELECCIÓN DE GRÁFICOS :

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TRANSDUCTOR DE NIVEL

TRANSDUCTOR DE TEMPERATURA

TRANSDUCTOR PRESIÓN 8.0

TRANSDUCTOR PRESIÓN 8.1

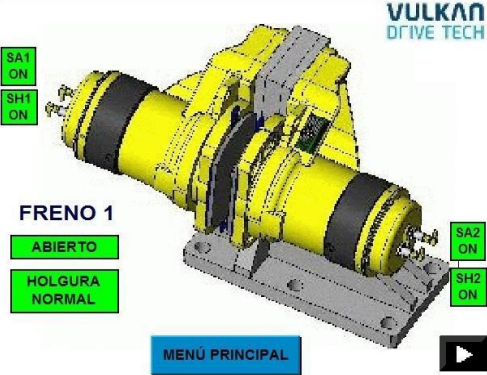
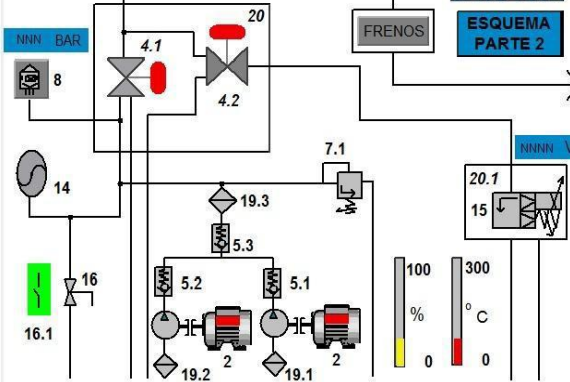
MENÚ PRINCIPAL

MANTENIMIENTO

ESQUEMA HIDRÁULICO :

VOLVER

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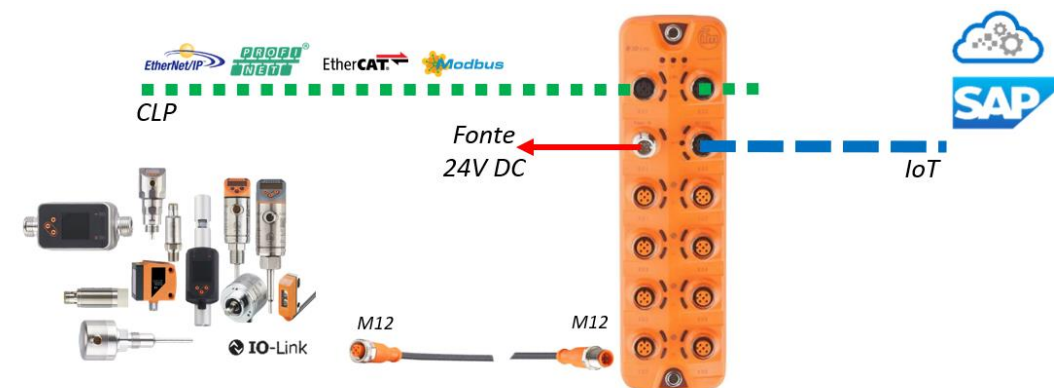
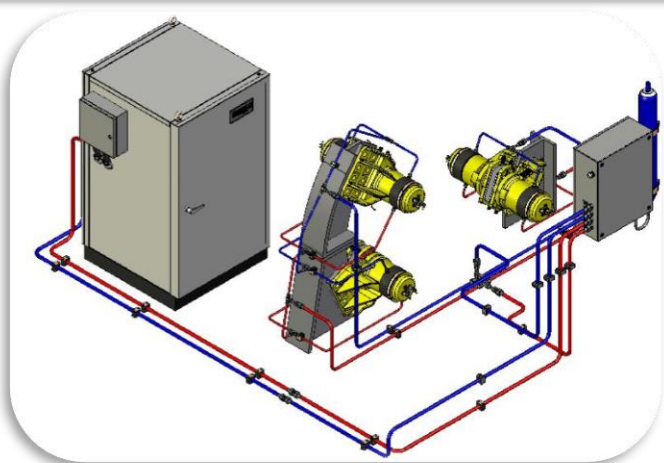
DEFECTOS EN UH :

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NIVEL BAJO DE ACEITE	OK
PRESION CRÍTICA	OK
TEMPERATURA ALTA DE ACEITE	OK
FILTRO 19.3 BLOQUEADO	OK
BOTÓN DE EMERGENCIA UNIDAD HIDRÁULICA	OK
SENSOR REGISTRO 16 ABIERTO	OK
SENSOR REGULADORA 26 CERRADO	OK

VOLVER

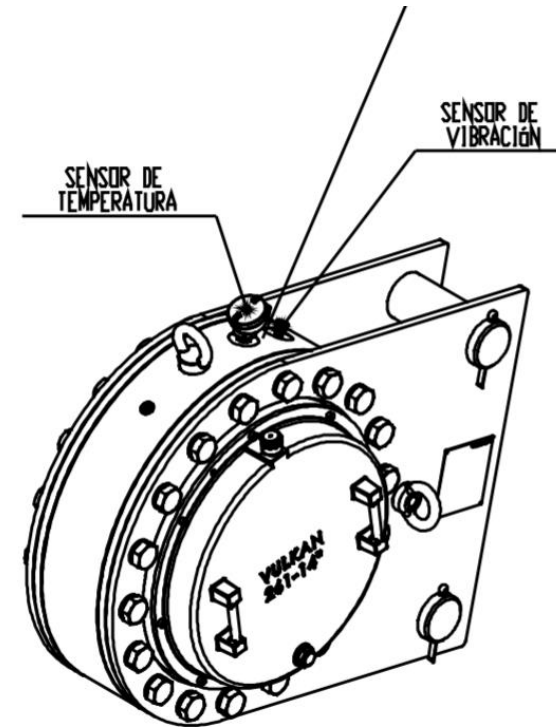
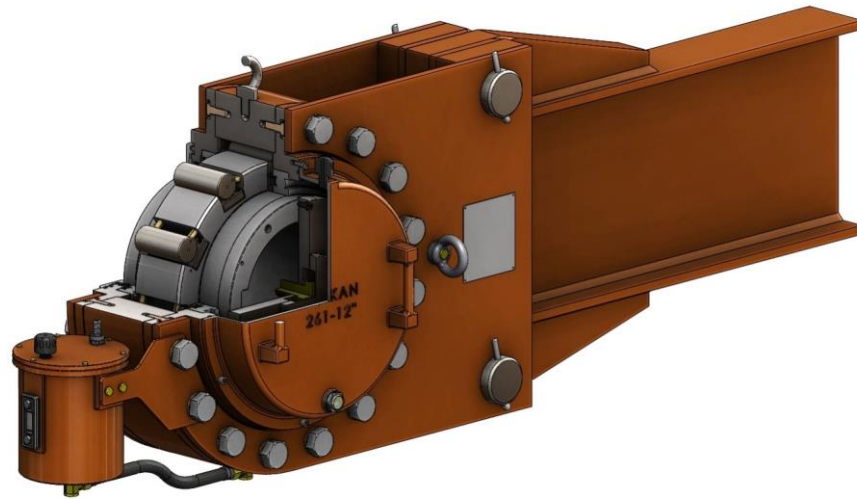
RESET FALLO



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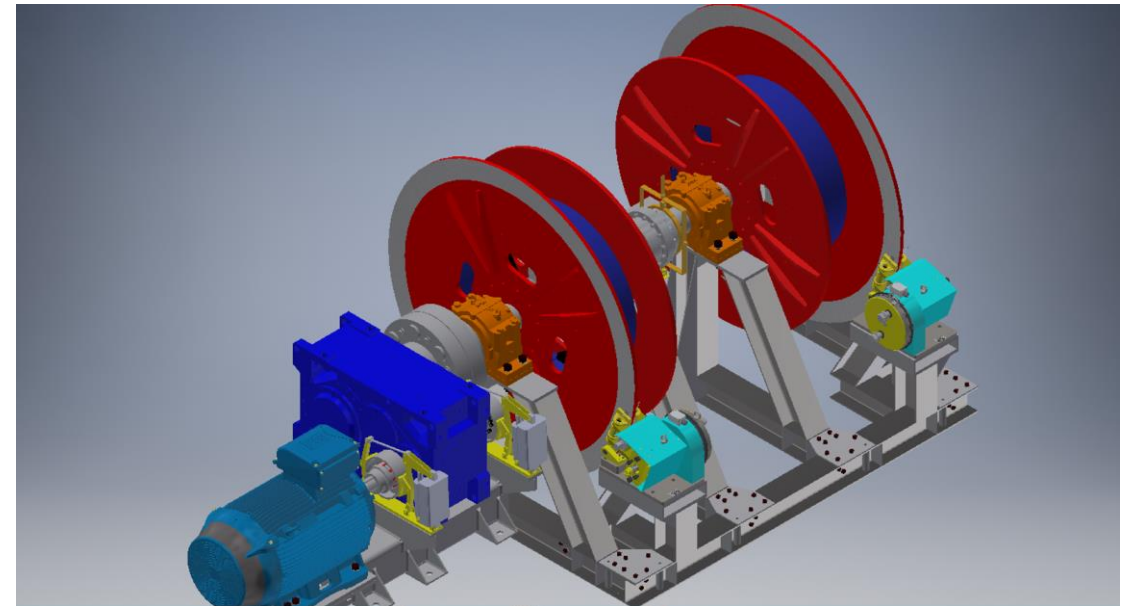
BACKSTOP

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INDUSTRIAL BRAKE SYSTEM – INDUSTRY 4.0 PROJECT

VULKAN
DRIVE TECH



INDUSTRIAL BRAKE SYSTEM – INDUSTRY 4.0 PROJECT

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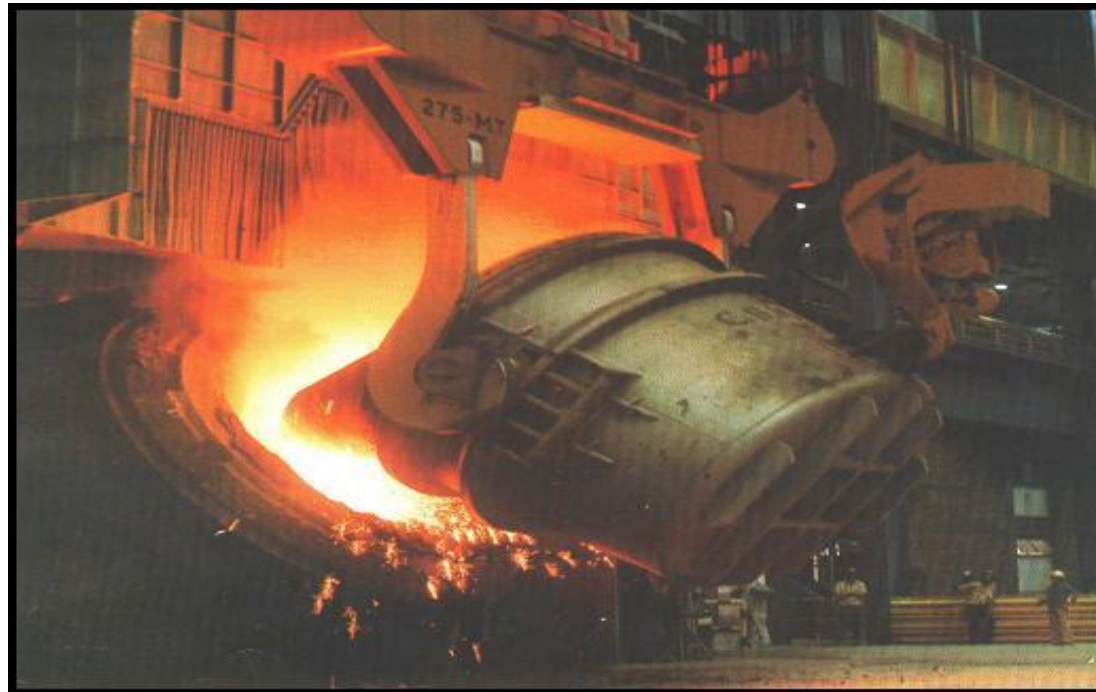
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DRIVE TECH



INDUSTRIAL BRAKE SYSTEM – INDUSTRY 4.0 PROJECT



IF THE BRAKES WILL BE USED INCORRECTLY OR IF IT RECEIVES DEFICIENT MAINTENANCE BY UNQUALIFIED PERSONS, IT MAY CAUSE SERIOUS PROPERTY AND PERSONAL DAMAGE.





Ricardo Velarde Sánchez
Jefe de Línea de Transmisión de Potencia.

Av. Sáenz Peña 1439, Callao - Perú
T. (+51 1) 201-3800 E. 1241 | RPM. 992115760
RPC. 999586356

rvelarde@marco.com.pe

VULKAN

Colombia

Andre Da Silva Nunes

Gerente de Ventas

T +55 11 4894-7318

C +57 317 772-0651

andre.nunes@vulkan.com

vCard

Andre Da Silva Nunes



VULKAN do Brasil - Sucursal Colombia

Cra. 13 N° 93-40, Piso 4 . Bogota DC . www.vulkan.com

VCONNECT

ÚNETE A NUESTRA APLICACIÓN DESCARGA DISPONIBLE

VCONNECT PLATFORM

ANDROID APP ON
Google play

Download on the
App Store



GRACIAS POR SU ATENCIÓN

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LOCKING