



Upgrade your existing  
GECMA HMI installation  
with our new modular  
MTL GECMA Work Station



*Powering Business Worldwide*



Upgrade to the  
MTL GECMA  
Work Station,  
a new generation  
built on experience



# The new MTL GECMA WS range is the successor to the Challenger and Explorer legacy terminals.

There are many possible reasons to consider upgrading your existing HMI installation: you want to upgrade to a new DCS; you have an old and defective unit; you have a limited budget but want to upgrade to a latest generation work station with a higher resolution display. Whatever your requirements, we can offer a cost-effective upgrade on your existing installation, while offering the same exceptional reliability you expect from all MTL GECMA products.

Eaton's new **MTL GECMA Work Station** range has improved features, a modular design and is built with the highest quality standardised and individually certified components to reduce costs, optimise productivity and increase plant safety.

Should your application or requirements change, the modularity of the MTL GECMA Work Station range offers you the flexibility to upgrade from a Remote Terminal to a Thin Client at a later date.



Reducing your plant costs

Optimising your productivity

Increasing your plant safety

# Upgrading made easy

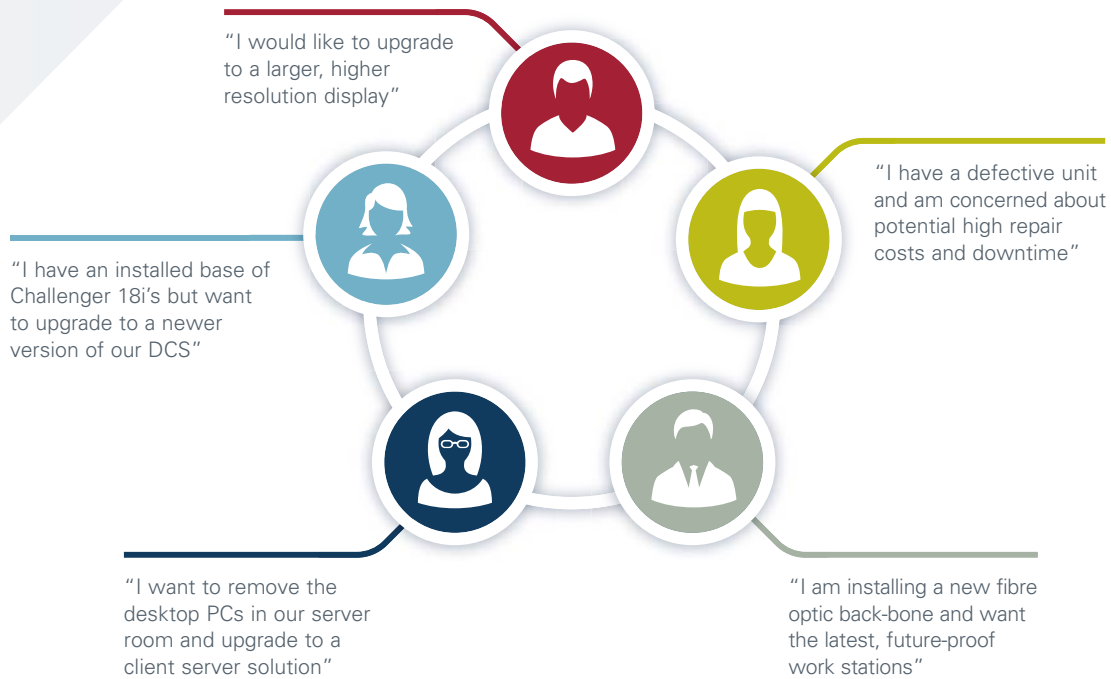
The successful MTL GECMA Challenger and Explorer ranges were designed for use in the strictest of hygienic conditions and aggressive production environments such as those encountered in pharmaceutical, chemical, petrochemical, biotech, food and beverage manufacturing, offshore, life sciences and the oil and gas industries, with a significantly large base of units installed worldwide.

Now you can upgrade your existing MTL GECMA HMI installation to a new **MTL GECMA Work Station (WS)**, which has been designed to build upon the solid foundations of its predecessors.

The MTL GECMA WS range is packed full of innovative features and state-of-the-art technology, including individually certified modular components to allow safe maintenance even in hazardous areas, making upgrading an easy and cost-effective option.

The slim, flexible modular range includes Remote Terminal (RT), Thin Client (TC) and Personal Computer (PC) to meet a wide variety of applications. Whatever your reason for upgrading, the MTL GECMA WS range provides the solution to fulfill your HMI requirements.

## Common reasons to upgrade



# Upgrade options

Your existing installed GECMA HMI product

Component parts	Challenger 15i			Challenger 18i			Explorer 15i			Explorer 18i		
	Remove	Replace	Reuse	Remove	Replace	Reuse	Remove	Replace	Reuse	Remove	Replace	Reuse
<b>MTL GECMA WS 19"</b>												
Enclosure	▲	▼				▶	▲	▼				▶
Pedestal & coupling			▶			▶			▶			▶
Display module	▲	▼		▲	▼		▲	▼		▲	▼	
PSU module	▲	▼		▲	▼		▲	▼		▲	▼	
COM module (RT, PC, TC)	▲	▼		▲	▼		▲	▼		▲	▼	
Keyboard	▲	▼		▲	▼		▲	▼		▲	▼	
Pointing device	▲	▼		▲	▼		▲	▼		▲	▼	
Copper data cable*			▶			▶			▶			▶
Safe Area Unit (RT only)**	▲	▼		▲	▼		▲	▼		▲	▼	
<b>MTL GECMA WS 22"</b>												
Enclosure	▲	▼		▲	▼		▲	▼		▲	▼	
Pedestal & coupling			▶			▶			▶			▶
Display module	▲	▼		▲	▼		▲	▼		▲	▼	
PSU module	▲	▼		▲	▼		▲	▼		▲	▼	
COM module (RT, PC, TC)	▲	▼		▲	▼		▲	▼		▲	▼	
Keyboard	▲	▼		▲	▼		▲	▼		▲	▼	
Pointing device	▲	▼		▲	▼		▲	▼		▲	▼	
Copper data cable*			▶			▶			▶			▶
Safe Area Unit (RT only)**	▲	▼		▲	▼		▲	▼		▲	▼	
<b>MTL GECMA WS 24"</b>												
Enclosure	▲	▼		▲	▼		▲	▼		▲	▼	
Pedestal & coupling			▶			▶			▶			▶
Display module	▲	▼		▲	▼		▲	▼		▲	▼	
PSU module	▲	▼		▲	▼		▲	▼		▲	▼	
COM module (RT, PC, TC)	▲	▼		▲	▼		▲	▼		▲	▼	
Keyboard	▲	▼		▲	▼		▲	▼		▲	▼	
Pointing device	▲	▼		▲	▼		▲	▼		▲	▼	
Copper data cable*			▶			▶			▶			▶
Safe Area Unit (RT only)**	▲	▼		▲	▼		▲	▼		▲	▼	

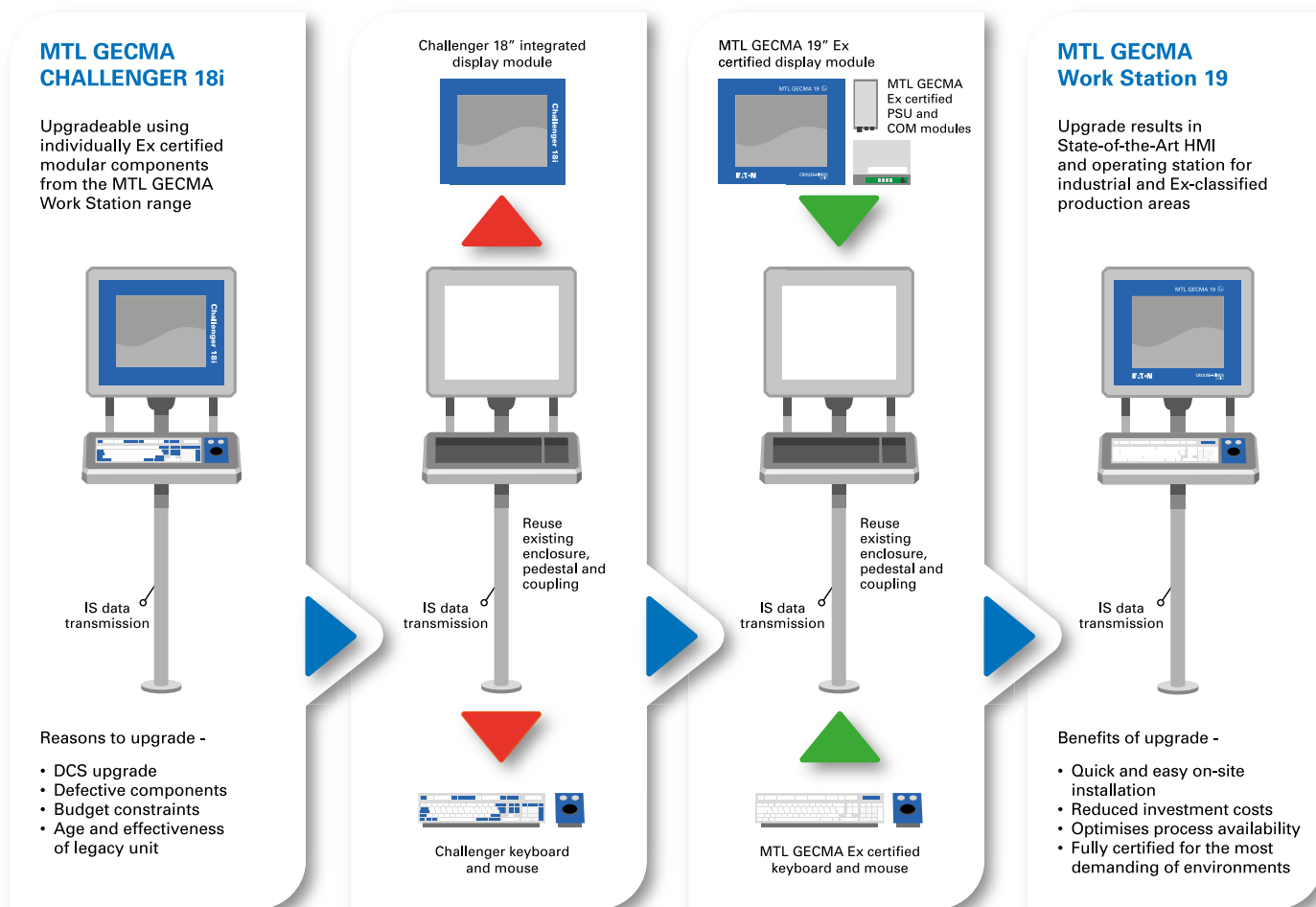
\*Reuse existing copper data cable where applicable. Copper cable (up to 100m) or fibre optic cable (up to 550m - multi mode or up to 10,000m - single mode). If fibre optic data cable upgrade required, additional Eaton MTL hardware, such as an MTL industrial Ethernet switch or an MTL media converter may be necessary.

\*\*Upgrading from an Explorer terminal will require a new MTL industrial Ethernet switch.

Your upgrade is carried out on-site with minimal disruption and without the need to remove your existing pedestal or connection cables, reducing investment costs and minimising downtime.

# Typical example upgrade

## Upgrade Challenger 18i to MTL GECMA Work Station 19"



The 19" Remote Terminal (RT) version of the MTL GECMA WS has improved features in a new modular design and is a direct upgrade for the Challenger 18i. The upgrade is carried out on-site with minimal disruption and without the need to remove the existing housing or mounting.

The Challenger's keyboard, pointing device, display and power supply are removed, before the upgrade modules are installed in the same order, with all connections re-established using the existing Challenger data cable.

The hazardous area terminal is connected to the safe area transmission rack with an intrinsically safe data cable. The MTL GECMA RT uses the same protective measures so the existing cable is retained.

The transmission unit is upgraded with the new MTL GECMA RT Safe Area Unit, and the associated DVI or VGA and USB connections are made.

For further information about upgrading to the new **MTL GECMA WS** range please contact your local sales office or visit [www.gecma.com](http://www.gecma.com)



## Industries

Our customers are usually found in offshore, petrochemical, chemical, bio, pharmaceutical and life science industries, but applications for monitoring and controlling your process in the hazardous area is not limited to these industries. Therefore we offer a wide range of mechanical solutions to provide a safe, convenient and easy monitoring and control of processes in any hazardous area application.





## EATON Crouse-Hinds series The safety you rely on.

See the complete MTL HMI & visualisation product portfolio at [www.gecma.com](http://www.gecma.com)

**U.S. (Global Headquarters):  
Eaton's Crouse-Hinds Business**  
1201 Wolf Street  
Syracuse, NY 13208

(866) 764-5454  
FAX: (315) 477-5179  
FAX Orders Only:  
(866) 653-0640

[CrouseCustomerCTR@Eaton.com](mailto:CrouseCustomerCTR@Eaton.com)

### For more information:

If further assistance is required, please contact an authorised MTL Distributor, Sales Office, or Customer Service Department

**AUSTRALIA**  
MTL Instruments Pty Ltd,  
10 Kent Road, Mascot, New South Wales, 2020, Australia  
Tel: +61 1300 308 374 Fax: +61 1300 308 463  
E-mail: [mtlsalesanz@eaton.com](mailto:mtlsalesanz@eaton.com)

**BeNeLux**  
MTL Instruments BV  
Ambacht 6, 5301 KW Zaltbommel  
The Netherlands  
Tel: +31 (0)418 570290 Fax: +31 (0)418 541044  
E-mail: [mtl.benelux@eaton.com](mailto:mtl.benelux@eaton.com)

**CHINA**  
Cooper Electric (Shanghai) Co. Ltd  
955 Shengli Road, Heqing Industrial Park  
Pudong New Area, Shanghai 201201  
Tel: +86 21 2899 3817 Fax: +86 21 2899 3992  
E-mail: [mtl-cn@eaton.com](mailto:mtl-cn@eaton.com)

**FRANCE**  
MTL Instruments sarl,  
7 rue des Rosières, 69410 Champagne au Mont d'Or  
France  
Tel: +33 (0)4 37 46 16 53 Fax: +33 (0)4 37 46 17 20  
E-mail: [mtlfrance@eaton.com](mailto:mtlfrance@eaton.com)

**GERMANY**  
MTL Instruments GmbH,  
Heinrich-Hertz-Str. 12, 50170 Kerpen, Germany  
Tel: +49 (0)22 73 98 12 - 0 Fax: +49 (0)22 73 98 12 - 2 00  
E-mail: [csckkerpen@eaton.com](mailto:csckkerpen@eaton.com)

**INDIA**  
MTL India,  
No.36, Nehru Street, Off Old Mahabalipuram Road  
Sholinganallur, Chennai - 600 119, India  
Tel: +91 (0) 44 24501660/24501857 Fax: +91 (0) 44 24501463  
E-mail: [mtlindiasales@eaton.com](mailto:mtlindiasales@eaton.com)

**ITALY**  
MTL Italia srl,  
Via San Bovio, 3, 20090 Segrate, Milano, Italy  
Tel: +39 02 959501 Fax: +39 02 95950759  
E-mail: [chmninfo@eaton.com](mailto:chmninfo@eaton.com)

**JAPAN**  
Cooper Crouse-Hinds Japan KK,  
MT Building 3F, 2-7-5 Shiba Daimon, Minato-ku,  
Tokyo, Japan 105-0012  
Tel: +81 (0)3 6430 3128 Fax: +81 (0)3 6430 3129  
E-mail: [mtl-jp@eaton.com](mailto:mtl-jp@eaton.com)

**NORWAY**  
Norex AS  
Fekjan 7c, Postboks 147,  
N-1378 Nesbru, Norway  
Tel: +47 66 77 43 80 Fax: +47 66 84 55 33  
E-mail: [info@norex.no](mailto:info@norex.no)

**RUSSIA**  
Cooper Industries Russia LLC  
Elektrozavodskaya Str 33  
Building 4  
Moscow 107076, Russia  
Tel: +7 (495) 981 3770 Fax: +7 (495) 981 3771  
E-mail: [mtlrussia@eaton.com](mailto:mtlrussia@eaton.com)

**SINGAPORE**  
Cooper Crouse-Hinds Pte Ltd  
No 2 Serangoon North Avenue 5, #06-01 Fu Yu Building  
Singapore 554911  
Tel: +65 6645 9864/9865 Fax: +65 6 487 7997  
E-mail: [sales.mtlsing@eaton.com](mailto:sales.mtlsing@eaton.com)

**SOUTH KOREA**  
Cooper Crouse-Hinds Korea  
7F, Parkland Building 237-11 Nonhyun-dong Gangnam-gu,  
Seoul 135-546, South Korea.  
Tel: +82 6380 4805 Fax: +82 6380 4839  
E-mail: [mtl-korea@eaton.com](mailto:mtl-korea@eaton.com)

**UNITED ARAB EMIRATES**  
Cooper Industries/Eaton Corporation  
Office 205/206, 2nd Floor SJ Towers, off. Old Airport Road,  
Abu Dhabi, United Arab Emirates  
Tel: +971 2 44 66 840 Fax: +971 2 44 66 841  
E-mail: [mtlgulf@eaton.com](mailto:mtlgulf@eaton.com)

**UNITED KINGDOM**  
Eaton Electric Ltd,  
Great Marlings, Butterfield, Luton  
Beds LU2 8DL  
Tel: +44 (0)1582 723633 Fax: +44 (0)1582 422283  
E-mail: [mtlenquiry@eaton.com](mailto:mtlenquiry@eaton.com)

**AMERICAS**  
Cooper Crouse-Hinds MTL Inc.  
3413 N. Sam Houston Parkway W.  
Suite 200, Houston TX 77086, USA  
Tel: +1 281-571-8065 Fax: +1 281-571-8069  
E-mail: [mtl-us-info@eaton.com](mailto:mtl-us-info@eaton.com)

**Gecma Components GmbH**  
Heinrich-Hertz-Str. 12, 50170 Kerpen, Germany  
Tel: + 49 (0)2273 - 9812 - 0  
Fax: + 49 (0)2273 - 9812 - 100  
Service: + 49(0)2273 - 9812 - 360  
E-mail: [gecmainfo@eaton.com](mailto:gecmainfo@eaton.com)

[www.gecma.com](http://www.gecma.com)

**EATON**  
Powering Business Worldwide

© 2016 Eaton  
All Rights Reserved  
ZL-B-GECEMAWSUP-EN-1216  
December 2016

**Eaton Electric Limited,**  
Great Marlings, Butterfield, Luton  
Beds, LU2 8DL, UK.  
Tel: + 44 (0)1582 723633 Fax: + 44 (0)1582 422283  
E-mail: [mtlenquiry@eaton.com](mailto:mtlenquiry@eaton.com)  
[www.mtl-inst.com](http://www.mtl-inst.com)

Eaton is a registered trademark.

All other trademarks are property of their respective owners.