



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

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

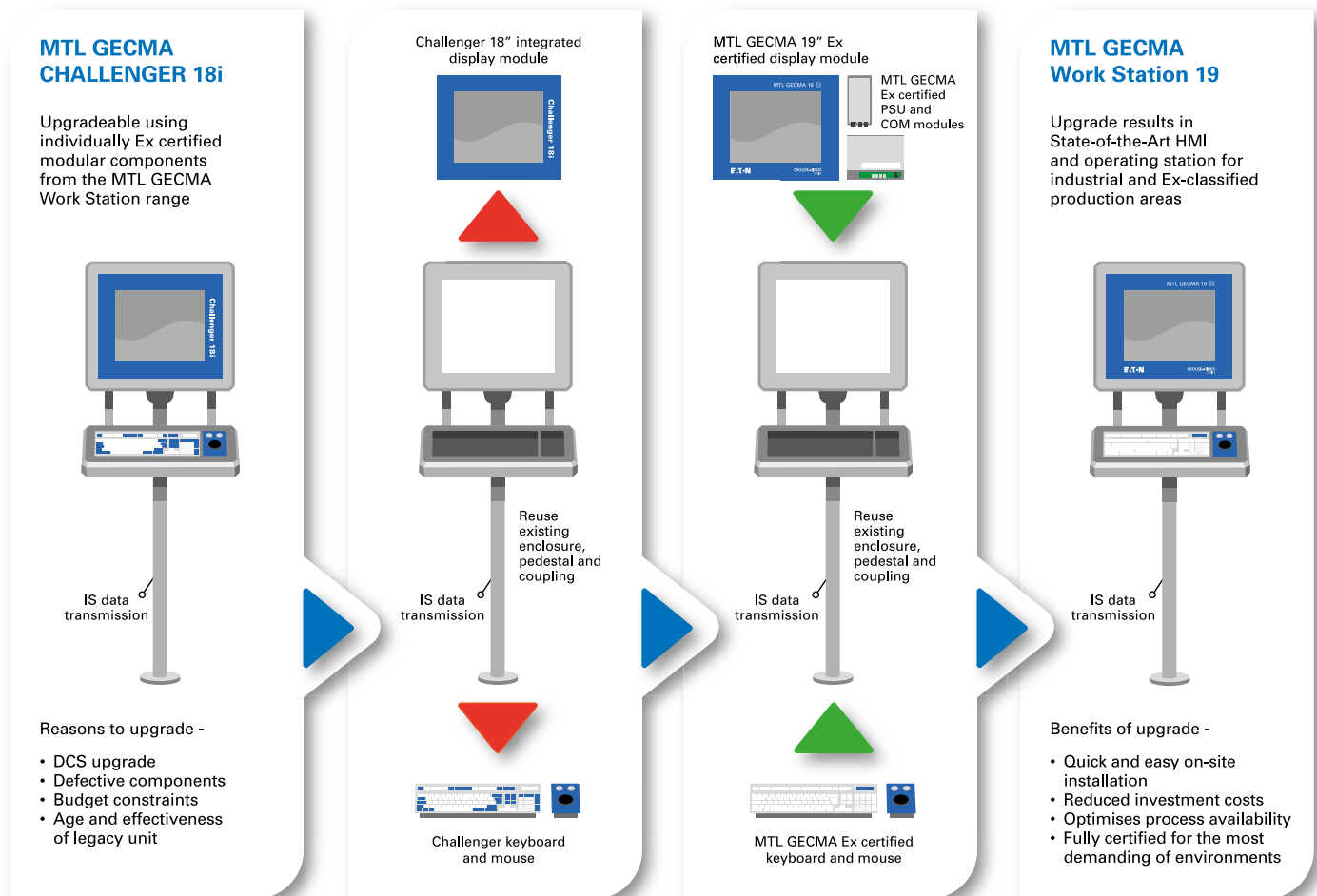
\*Reuse existing copper data cable where applicable. Copper cable (up to 100m) or fibre optic cable (up to 550m - multi mode or up to 10,000m - single mode). If fibre optic data cable upgrade required, additional Eaton MTL hardware, such as an MTL industrial Ethernet switch or an MTL media converter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



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