

MAXCONTROL

Global & Modular Brake System

The new locomotive brake system family **MaxControl** (former CCB-3) is the designated successor to the proven CCB (AAR) and MBS (UIC) product families. MaxControl has been designed from the outset as a modular kit for complete locomotive brake systems to serve all global market needs, hence MaxControl will avoid the need to redesign a locomotive just to accommodate a brake system for a different market.

Customer benefits

- Improved mission reliability
- Life-cycle cost reduction
- Standardization of interfaces for global markets
- Improved diagnostics
- Safety certification for global use
- Improved configurability
- Shorter lead times

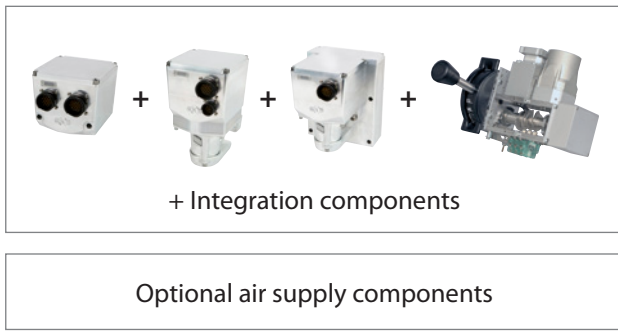
Locomotive Applications

- AAR North America
- UIC Europe
- AAR China



KNORR-BREMSE

MaxControl Loco Brake Control Kit



Same envelope and common interfaces enable quick adaption of the brake system to different market needs

Customer Benefits

Design and integration

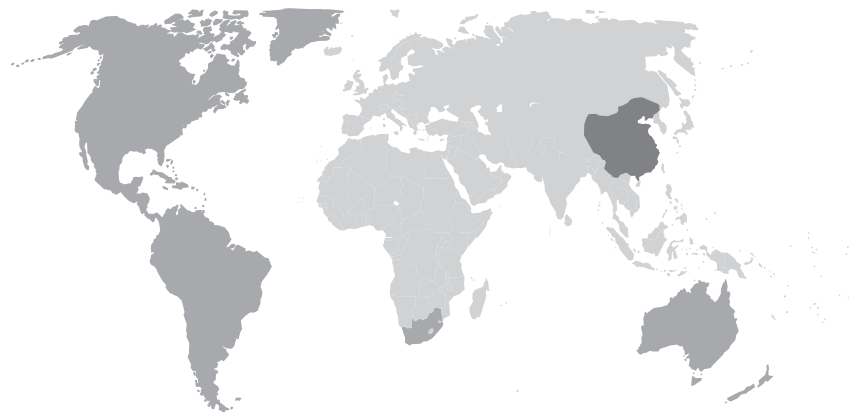
- The global experience of Knorr-Bremse and NYAB has been used to develop MaxControl for locomotive builders and operators around the world
- The brake system interface to the locomotive can be standardized for individual loco builders
- Highly standardized modules with fewer variants
- Enhanced on-site configurability
- The brake handles will accommodate all global customer requirements, but will have the same interface regardless of variant
- The pipework will always be on the rear for similarity of installation

Improved reliability and safety

- MaxControl offers significant improvement in mission reliability by using latest technology and sophisticated system architecture
- Meets EN5012x Safety Standard

Reduced life cycle costs

- Improved maintainability
- Standardized modules → less inventory
- Improved diagnostics and service access
- Unsurpassed support in the field
- Active obsolescence management
- Best-in-class overhaul



AAR ■ UIC ■ China ■

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 **KNORR-BREMSE**

 **NEW YORK AIR BRAKE**

 **IFE**

 **MERAK**

 **MICROELETTRICA**

 **KIEPE ELECTRIC**

 **SELECTRON**

 **ZELISKO**

 **RAILSERVICES**