

# TRUCK CRANE ELECTRONIC CONTROL SYSTEMS



# THE CRANE CONTROL SYSTEM



## Control system's purpose:

Designed to control over the truck crane equipment and mechanisms.

## Basic kit includes:

- Left joystick;
- Right joystick;
- Control module.

## Principle of operation:

The control module generates signals to switch the electromagnets of the hydraulic valves.

Operation of the control module is possible when receiving the allow signal from the electronic load limiter.

## Control system features:



Compatible with the hydraulic valves by different manufacturers



Enhanced diagnostics



Smooth control



Remote setting up



CAN support



Engine control



Wireless Remote control

# THE TRUCK CRANE CONTROL SYSTEM COMPONENTS



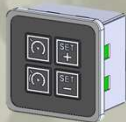
## Additional modules



Wireless remote



ICE speed control module

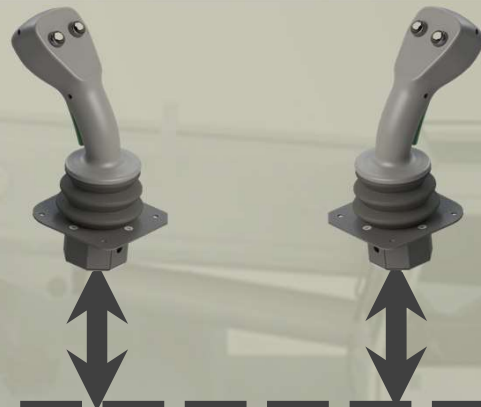


Electronic pedal "PE-1"



## Basic modules

Joysticks



CAN

ICE control module



Electronic load limiter

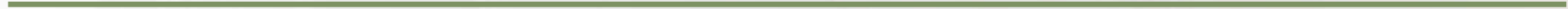


Control system module



Control signals

Hydraulic valves



# THE OUTRIGGER CONTROL SYSTEM

STRIM

## Control system's purpose:

Manual or automatic control over the outriggers installing process.

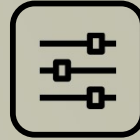
## Basic kit includes:

- Control system module
- Roll angle sensor
- Push-button control panel

## Principle of operation:

By pressing buttons the control system provides automatic or manual control over the hydraulic valves' electromagnets which drives the outriggers out. The roll angle sensor helps to adjust the crane position.

## Control system features:



Control out of the cabin



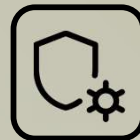
Remote Control



Level auto set



Manual control



Protection functions



Engine control



Improved crane placing precision



LED indication

# THE OUTRIGGERS CONTROL SYSTEM COMPONENTS



Hydraulic valves



Truck crane control module



Electronic load limiter



ICE control module



Wireless remote

Additional module



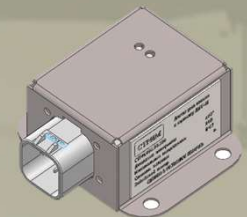
Outriggers Control module

Basic kit

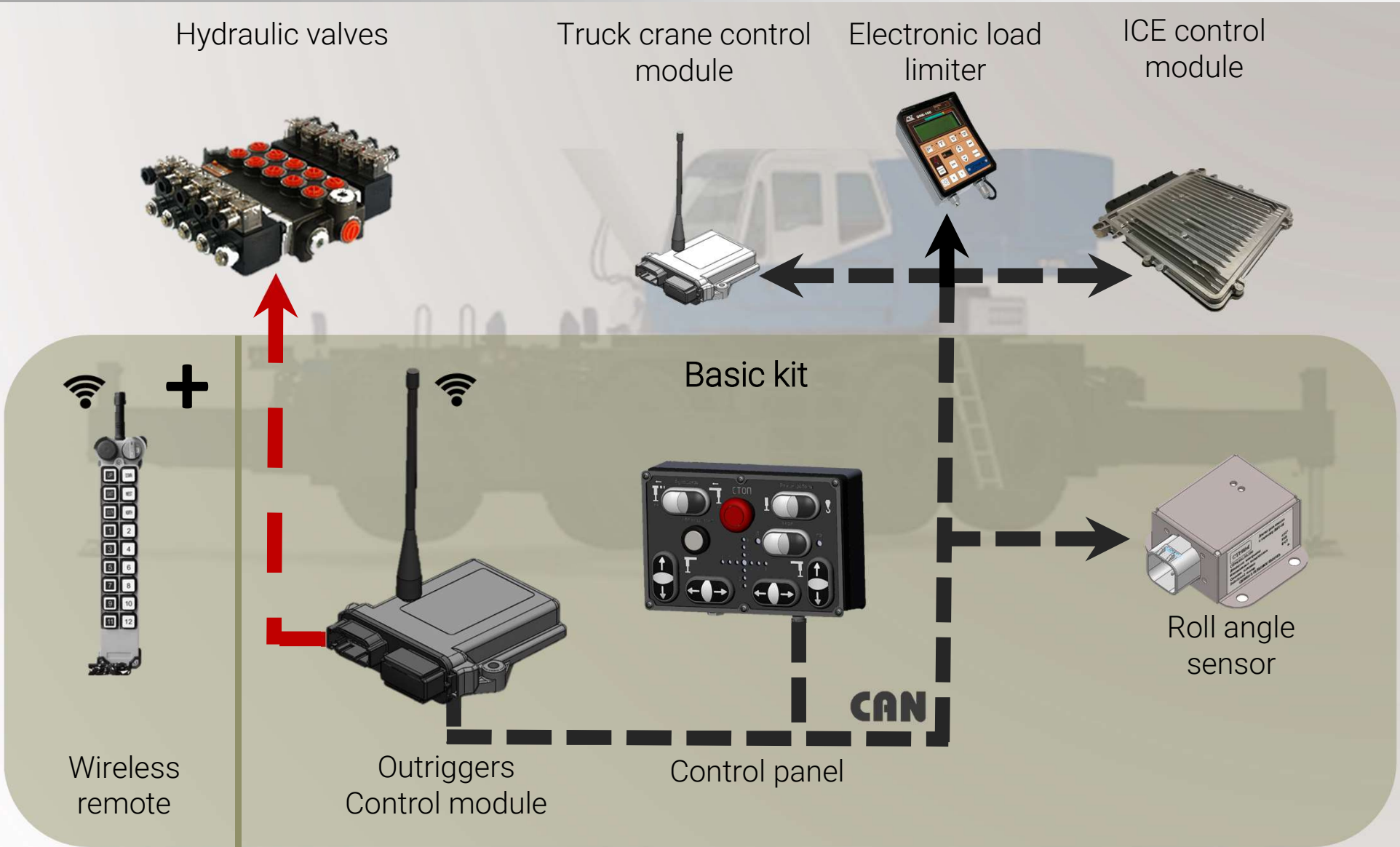


Control panel

CAN

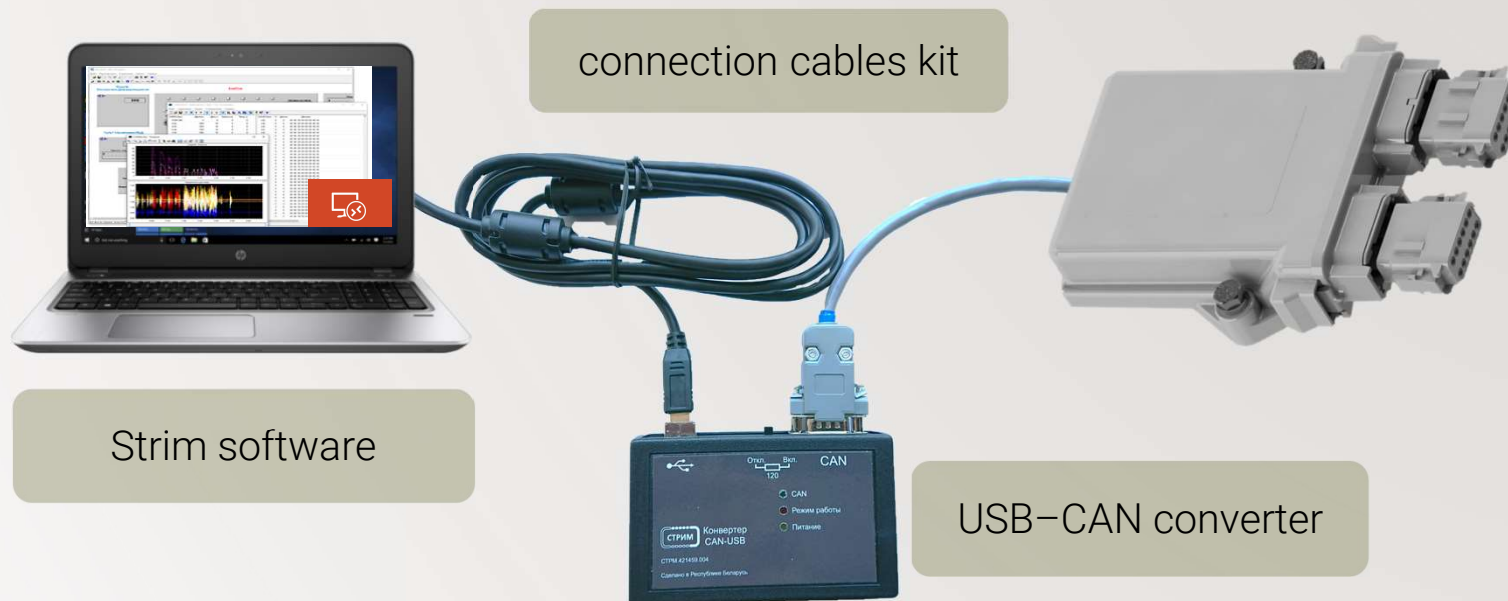


Roll angle sensor



# TUNING OF THE CONTROL MODULE

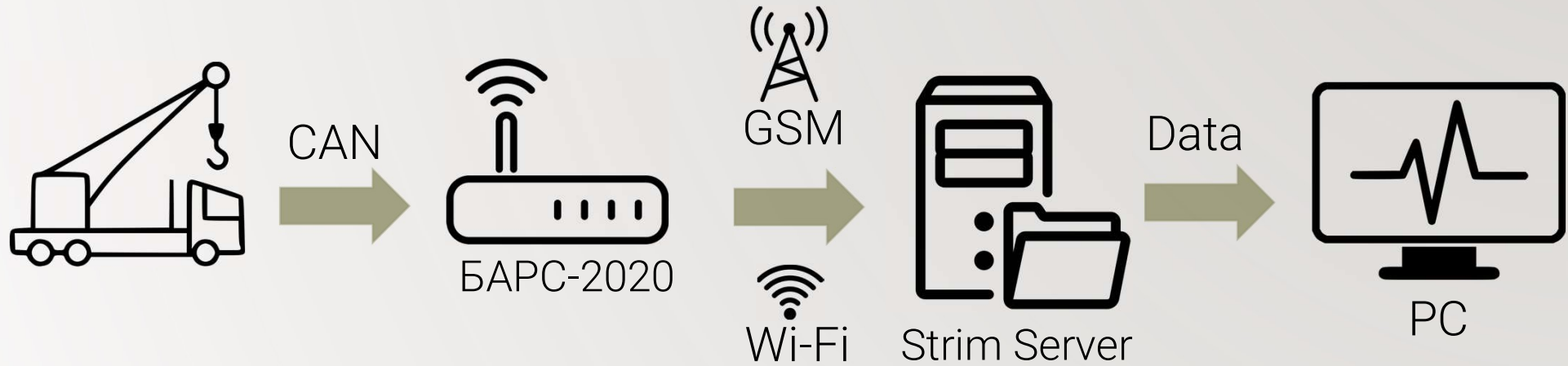
STRIM



Tuning of the control module is done by using our software tuning kit "KN-1". By request, our specialists are able to perform software tuning remotely.

# REMOTE MONITORING SYSTEM

STRIM



The control system can be optionally equipped with our state-of-the-art monitoring system – BARS-2020, which supports remote state monitoring and helps our engineers to detect and prevent possible issues.

## BARS-2020 key features:

- Full CAN support.
- GSM/Wi-Fi connection support.
- FLASH memory allows to store data up to 30 days.
- The control system's parameters optimization.

