

## Apps

### Digital Assistants for Plant Operation



# Smart Control of Plant Operation at Any Time

Digitalised, location-independent plant operation – convenience brought to you by apps from Hitachi Zosen Inova BioMethan GmbH (HZI BioMethan). These not only offer guidance and support during maintenance tours – they also provide an overview of the spare parts inventory and document all plant actions. All results are summarised and archived in PDF reports, including signature via tablet.

Inspection and maintenance are essential for efficient and safe plant operation. The aim is to detect, document and rectify abnormalities and wear on plant components occurring in daily operation at an early stage in order to avoid plant failures. Therefore, HZI has developed an app-based maintenance concept, perfectly tailored to the needs of plant operators. Three 'digital assistants' make daily business much easier:

- HZI-D-Check, the program for interval maintenance
- HZI-OperatingLog, the program for operational process documentation
- HZI-SparepartManager, the program for handling spare parts packages

## Maintenance Tour with Expert Guidance

The *HZI-D-Check* app guides operators or operating personnel to the relevant maintenance components using 3D images. Even newbie operators can easily find their way around.



On site, the app guides you through the individual maintenance steps. It immediately indicates if the measured values are outside the tolerable limits. Incidents or abnormalities can be documented using the tablet's photo function, comments can be added. Data and results recorded during the tour are finalised with a digital signature and sent by email as a PDF report.

## Excellent Documentation

The app *HZI-OperatingLog* is a digitalised operating journal containing common official requirements as predefined queries. Operative incidents – including any failures or leaks – can be entered, documented with photos and elaborated with comments. The app allows you to record deliveries/rejections or document non-operational activities on the plant



premises. These entries are also signed and sent by email as a PDF file at the end of the day.

## Simple Spare Parts Management

The *HZI-SparepartManager* app keeps a constant eye on the inventory for the spare parts package. When a component is removed, the QR code of the component is scanned and sent to the HZI service team – the required article will be immediately sent in the desired quantity. Missing items are restocked in the shortest possible time, shortfalls are avoided from the outset.



## Chose Appropriate Equipment

Whether Android, iOS or WINDOWS – the HZI apps can be used with all common operating systems. However, hardware with EX protection should be used since works will be carried out in hazardous areas.

## Details at a Glance

Hardware	EX tablet (Samsung Galaxy Tab, Android)
Software	<i>HZI-D-Check</i> , maintenance app <i>HZI-OperatingLog</i> , operating journal app <i>HZI SparepartManager</i> , spare parts management app
Service	Provision and setup of the tablet Provision and setup of the apps Licensing for app usage on up to three end devices