embitel
A VOLKSWAGEN GROUP COMPANY

FOTA MICRO STACK MODULES

FOTA GATEWAY

MANAGES SECURE OTA SESSION BETWEEN SERVER AND DEVICE THROUGH TLS

MANAGES DOWNLOAD ENGINE AND UPDATE ENGINE

DOWNLOAD ENGINE

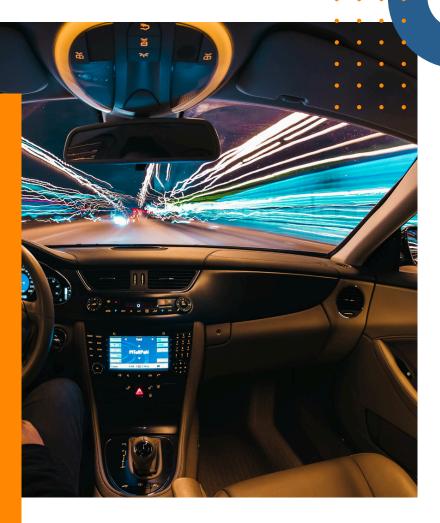MANAGES DOWNLOAD SESSION AND HANDLES DOWNLOAD FAILURE

STORES NEW FIRMWARE IN PERSISTENT MEMORY

UPDATE ENGINE

EXTRACTS NEW FIRMWARE AND INSTALLS IT IN THE NEXT PARTITION

RESETS THE SYSTEM TO START WITH NEW FIRMWARE

READY-TO-DEPLOY FOTA MICRO STACK

OUR FOTA MICRO STACK EXPEDITES THE DEVELOPMENT OF AUTOMOTIVE APPLICATIONS SUCH AS IN-VEHICLE INFOTAINMENT SYSTEM, DIGITAL INSTRUMENT CLUSTER, DIGITAL COCKPIT, ETC.

ERROR HANDLING FEATURES

- ERROR HANDLING ON CONNECTIVITY LOSS WITH FOTA SERVER
- ERROR HANDLING FOR FIRMWARE VERSION (EXPECTED GREATER VERSION THAN EXISTING VERSION OF FIRMWARE)
- ERROR HANDLING FOR DOWNLOAD FAILURE
- ERROR HANDLING FOR INSTALLATION FAILURE (RECOVERY)

BENEFITS OF FOTA MICRO STACK

INTRODUCTION OF NEW SOFTWARE FEATURES OR UPDATE OF EXISTING SOFTWARE CAN BE ACCOMPLISHED THROUGH THE FOTA MICRO STACK. THE STACK FACILITATES CLOUD BASED OTA IN WHICH THE UPDATES CAN BE SCHEDULED AT A SPECIFIC TIME.

END-TO-END IMPLEMENTATION OF AN AUTOMOTIVE FOTA SOLUTION MAY TAKE AROUND **60-70 DAYS.** OUR READY-TO-DEPLOY STACK ENABLES THE IMPLEMENTATION OF THE FOTA SOLUTION WITHIN **18 DAYS.**

For enquiries, reach out to us at sales@embitel.com

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