

Overview:

- Plan 9 is an IC Design Services company specializing in *Analog, Mixed Signal, and RF* designs.
- Plan 9 has provided IC and engineering solutions for 21 years.
- Plan 9 strives to establish and maintain mutual expectations with the customer and then works to fulfill those goals.

Who are the principals:

Donald Whitney

- Over 34 year of experience
- Listed as inventor on 13 issued patents, 8 pending
- BSEE and MSEE

D. Scott Langford

- Over 31 years of experience
- Listed as inventor on 3 patent, 8 patents pending
- BSEE and MSEE

IP offering:

- Plan 9 developed three products to address the narrow-band Power Line Communications (PLC) market.
- The products are a Line driver, a two PGA receiver, and a reference/ thermal shutdown.
- The designs are silicon tested.
- This AFE is Plan 9's own IP and Plan 9 currently retains all ownership rights for this property.
- Plan 9 is currently offering this IP for sale.

Recent design work:

Research and Development of wearable IoT medical devices:

- Human compatible, researched anatomy to determine how the circuitry would function with the body and meet FDA safety requirements.
- very small footprint, flip-chip, also designed flex PCB board for chipset
- new to the world application

Designed integrated circuits for wearable devices:

- Ultra-low power circuitry with power savings system implemented
- Ultra-low off current leakage
- All subthreshold design
- Circuits include high voltage (50V) charge pump, regulator, oscillators, references, state machines, interface, ESD, etc.

Examples of other design projects:

- RFID 13.56MHz circuitry
- Emergency radio baseband transceiver
- Time of Flight precision laser driver
- DC/DC Boost power supply
- 70MHz power line modem AFE for HomePlug applications
- Interface circuits, HV RS-485, DDR
- Delta Sigma ADC/DAC, other data converters

Examples of processes used by Plan 9:

- Global Foundries 55nm, 65nm, 130nm BCD Lite HV CMOS
- IBM/GF/TSI 7HV CMOS 0.18um 50V LDMOS
- IBM 6RF (0.25um), 8RF (130nm), 9LP (90nm)
- TSMC CMOS 0.15um, 0.35um
- Ams SiGe S35 0.35um 12V, C35
- Various other BiCMOS, BJT, DI and HV processes