



The RTC-TH / C-FEE Community Service Collaboration for Emergency Communications



The Rural Training Center-Thailand (RTC-TH) funded the project as part of its Independent Fuel Systems (IFS) effort. It provided the EmComm design input for an all electric vehicle based on C-FEE's existing Super Jaab model. In addition a separate trailer was requested for the Super Jaab to tow.

Long-range plans call for the RTC-TH to produce its own electricity on the farm using Jatropha SVO powered generator. This would put the RTC-TH EmComm effort on an energy independent level.



Air Marshal Morakod Chansumruard, a retired, C-FEE Owner and President with RTC-TH Co-founders Greg and Saifon Lee.

Clean Fuel Energy Enterprises, Co. Ltd (C-FEE) contributed in-kind matching for the project and offset the RTC-TH funding with engineering design and technical support underwriting the part of the project as R&D for a new proto-type Super Jaab variant.

C-FEE was favorably impressed by the RTC-TH commitment to environmental education and community service. The use of the Super Jaab in rural Thai EmComm is a good match for an all electric vehicle.

In May 2209, based on the guiding principles of mutual respect and mutual benefit, the RTC-TH (the Rural Training Center-Thailand) and C-FEE (Clean Fuel Energy Enterprise, Co. Ltd, Thailand) agreed to collaborate on the RTC-TH Electric Vehicle project. C-FEE agreed to match RTC-TH funding by committing their design / production teams to customizing their existing Super Jaab electric car as a new proto-type for Emergency Communications (EmComm). On the surface, it isn't obvious there is any difference. But C-FEE's investment was substantial. Our appreciation for the care and commitment they devoted to the project cannot be fully expressed. C-FEE is an outstanding collaborative partner.The RTC-TH has a concept called Y.E.S. (Youth, Environment, Sustainability). All RTC-TH programs contain aspects touching on these three key concerns. When seeking community support for our programs, we want people to say "yes" to the idea of supporting Youth, Environment, and Sustainability. As a company, C-FEE is committed to the environment and sustainability. And with this collaborative effort, we are proud to say C-FEE has indeed said "yes" to Y.E.S.!

Rural Training Center-Thailand Emergency Communications



The RTC-TH is committed to sustainable rural family farms and communities. A new part of that commitment is emergency preparedness and emergency communications (EmComm). This is a long-term effort that will be a "work in progress" for the next few years.



"Sparky" the Batt-mobile



"Sparky" the Batt-mobile is the main RTC-TH EmComm vehicle. It is a 2-person scout car and can tow "Sam" the Volts-wagon. Sparky has a maximum range of about 80 km.



Both Sparky and Sam are MEWS capable. Sparky will have portable weather instruments for "spot" observations. Sam has full weather station capability as a temporary station.

"Sam" the Volts-wagon



"Sam" the Volts-wagon is the RTC-TH portable field EmComm and weather station. It can be towed and set up as a self-contained field station.

Sparky is equipped to support a 2-person team for 2-days stay away from home. It can use both VHF and HF radios if "Sam" is not deployed (or VHF only when "Sam" is in use). As a scout car with fully charged batteries, Sparky has a maximum range of 80 km. If kept to a 40 km range, Sparky would have 360 amp hours for radio operations.

Providing "on-site" weather observations is helpful to relief operations. Sparky's portable weather instruments can be used for spot observations (e.g. a temporary helicopter landing pad). Sam could be set up at a relief shelter or forward base for extended weather observations.

"Sam" is equipped to support a 2-person team for up to 1-2-weeks away from home (450 amp hours battery power available when fully charged). It can use both VHF and HF radios when serving as a field EmComm Station and base for Sparky (which then operates VHF only). This makes 2 RTC-TH EmComm units available locally.