



**Pinga is a Computerized Maintenance Management Software that supports rural Power Plant Operators, utility clerks, utility managers and those on the frontlines of remote maintenance**

Pinga provides practical support to remote electric utility staff.

These remote technicians are critical and under-resourced energy guardians.

Investing in tomorrow and self-sufficiency are inherent, universal human values. Foresight, maintenance, and repair are the methods by which any community naturally safeguards its future. Pinga equips utility staff with tools to meet or extend the lifespan of critical energy infrastructure. Performance is optimized. Investor return therefore increases.

Research indicates that digitizing clipboard-and-pencil-tasks professionalizes Power Plant Operators’ (PPOs) role and imparts dignity, pride and job-performance. Pinga empowers those on the front lines of powering their communities.

Despite advances in technology, local, hands-on activity can never be automated. Maintenance at 250 hours, 750 hours, and onward must be performed and documented. Oil viscosity must be tested. Air filters and fuel filters must be changed. Coolant temperature verified within the target spectrum. Fuel leaks on the power-house floor must be cleaned up to prevent fire. Add renewables and the list grows. Pinga offers technical assistance but also moral support. Pinga will create and nurture a virtual community of users. This forum encourages commeraderie, reduces mistakes, turnover, & provides technicians with ongoing professional dignity.

Pinga will be available in late 2017

- \*Software design will be informed by user interviews & field tested
- \*Pinga seeks Alaska Native cultural influences
- \* Seeks PPOs willing to serve in focus group

Interested?  
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**Anticipated Core Features:**

1) *Assets, checklists + supervision:* Catalogue of generation assets with unique ID; establish a digital checklist of key tasks; verify machine servicing; alarms if a routine is skipped; pair local labor with remote supervisor; offer the possibility of enabling pay-per-task incentives for maintenance jobs.

2) *Trouble-shooting & Work Orders:* Enable early warnings to flag issues before they become problems; coach PPOs through troubleshooting routines; place work orders.

3) *Forum & Circuit Rider:* Connect workers to colleagues for peer support; request outside support; match “circuit-rider” visiting technicians to Uber-like crowd-sourcing platform to enable support between Pinga communities.

4) *Turbo-tax-type for state PCE:* Ease record-keeping and guarantee communities’ receipt of state subsidy.

