Unified Tensor Systems — Licensing Target List

Regime-Aware Spectral Acceleration · Patent Pending · yoonikolas@gmail.com

Asset: IEEE 39-bus CCT method — **57,946× faster** than RK4, <2.73% error, patent pending. **Format:** Licensing engine / API / plugin integration. **Outreach:** Attach investor brief PDF. No repo link.

Tier 1 — Simulation Platform Vendors

Integrate the acceleration layer into existing tools. Highest leverage: reaches all end users.

Siemens Energy — PSS/E

Industry standard for power flow and stability.
Contact: Power Systems Software division
Pitch: Drop-in CCT acceleration for PSS/E stability studies

GE Vernova — PSLF

Power System Load Flow, used by major utilities.
Contact: Grid Software product group
Pitch: Spectral stability pre-screen before PSLF full integration

DigSILENT — PowerFactory

Dominant in European markets, growing in North America.
Contact: info@digsilent.de
Pitch: Fast contingency ranking module for PowerFactory workflows

PowerWorld Corporation

Power flow + stability, academic and utility market.
Contact: sales@powerworld.com
Pitch: Embedded CCT estimation in Simulator

Manitoba Hydro International — PSCAD

Leading EMT simulation platform.
Contact: MHI business development
Pitch: Stability pre-screening complement to EMT simulation

ETAP (Operation Technology)

Electrical system analysis for industrial + utility.
Contact: info@etap.com
Pitch: Fast transient stability module for ETAP platform

Tier 2 — Grid Analytics & Engineering Firms

Consulting firms that build custom stability tools for operators.

Quanta Technology

Power grid consulting, Raleigh NC.
Pitch: License method for client N-1 screening engagements

EPRI (Electric Power Research Institute)

Palo Alto CA — research licensing, utility consortium.
Pitch: Joint research program, EPRI report, member distribution

Hitachi Energy (formerly ABB Power Grids)

Grid automation + stability analytics.
Contact: Grid software / digital energy division
Pitch: Integration into Hitachi PSSE or Neplan platform

Nexant

Grid consulting, project finance analytics.
Pitch: Embedded CCT tool for renewable interconnection studies

Tier 3 — ISO/RTOs

Run N-1 analysis continuously. Direct operational need.

MISO	Carmel, IN — 15 states
PJM	Norristown, PA — 13 states
CAISO	Folsom, CA — California
ERCOT	Taylor, TX — Texas
ISO-NE	Holyoke, MA — New England
NYISO	Rensselaer, NY — New York

Entry point: Engineering / operations research contacts.
Pitch: Pilot on existing N-1 screening workflow. Real-time contingency analysis feasibility study.

Tier 4 — National Labs

Sponsored research, DOE funding, co-invention potential.

- **NREL** (Golden, CO) — renewable integration stability
- **PNNL** (Richland, WA) — grid modernization, Koopman methods

- **ANL** (Lemont, IL) — power systems mathematics
- **ORNL** (Oak Ridge, TN) — grid resilience

Pitch: Collaborative research agreement (CRADA). Method expands their Koopman/spectral stability portfolio.

Contact Strategy

Step	Action
1	Cold email: subject line *"CCT computation 57,946× faster than RK4 — patent pending"*
2	Attach investor brief PDF only. No repo link. Two sentences on the result.
3	Offer: 30-min technical call + live notebook demo (`github.com/YoNiko2063/demo`)
4	For vendors: propose evaluation license (90 days, one product integration)
5	For labs/ISOs: propose pilot study or CRADA; reference provisional patent filing

Lead with Tier 1 (simulation vendors) — one integration deal reaches thousands of engineers. Run Tier 3 (ISOs) in parallel for direct operational validation. Tier 4 for funding runway and co-publication.

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