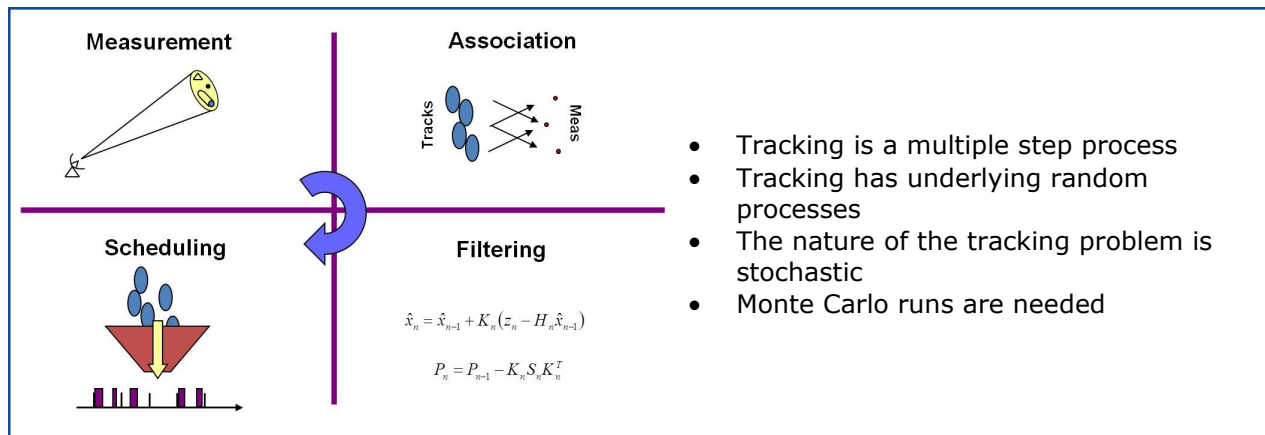


Many modern engineering projects require a simulation environment for algorithm development and engineering trade studies. The Benchmark line provides a simulation environment in which multiple target tracking algorithms can be tested.

For target tracking algorithms, the Benchmark line of simulations provides a common test bed for Ballistic Missile Defense (BMD), Autonomous Air Vehicles (AAV), Integrated Air/Missile Defense (IAMD), MIMO Radar, and Chem/Bio Defense. These Benchmarks already exist, are owned by the government, and are available.

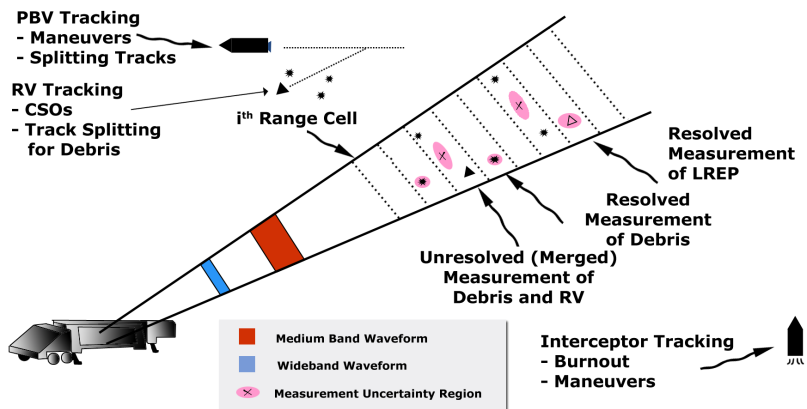
Benchmark metrics include:

- Track accuracy (position, velocity, etc.)
- Track breaks
- Track switches
- Track covariance consistency
- Redundant and Spurious Tracks
- Track Completeness
- Sensor Resource Usage metrics
- Communication Usage metrics

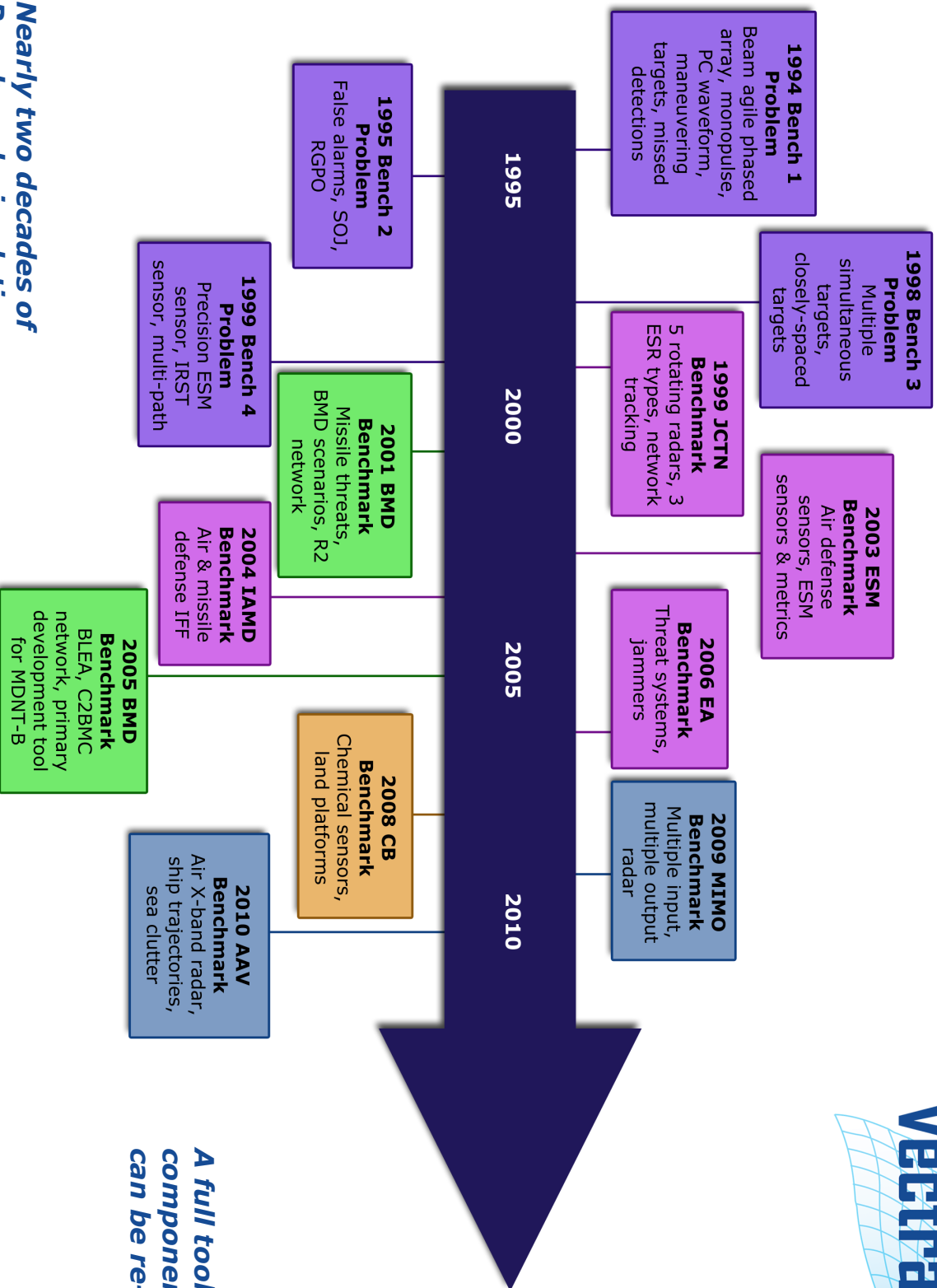


Vectraxx has access to all of the Benchmark simulations and can:

- customize an existing Benchmark
- build a new Benchmark variant
- assist with implementing test articles (algorithms) in a Benchmark
- integrate and test tracking algorithms



History of Benchmarks



A full toolkit of components that can be re-used

Nearly two decades of Benchmark simulation experience!