Here is the instantiated safety case for the GPCA system based on the given pattern, represented in a hierarchical tree format:

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- Goal (G1, Operational safety is verified in GPCA system)

- Context (C1, All specs are given by spec.allInstances())

- Strategy (S1, Argument over the satisfaction of all specs over GPCA system)

- [Undeveloped]

- Goal (G2, All operational hazards are mitigated)

- Strategy (S3, Argument over operational hazards)

- Context (C2, Operational hazards are given by operational hazard.allInstances())

- Goal (G3-1, operational hazard1 is mitigated)

- Strategy (S4-1, Argument over the applied scenarios of operational hazard1)

- Context (C3-1, All related scenarios are given by operational hazard1)

- Goal (G4-1, operational hazard1 is mitigated under scenario1)

- Strategy (S5-1, Argument over all specs related to scenario1)

- Context (C4-1, All related specs are given by scenario1.spec.allInstances())

- Goal (G5-1, spec1 is appropriate for scenario1)

- Strategy (S6-1, Argument the appropriateness of spec1 over properties)

- Context (C5-1, Properties are given by spec1.property.allInstances())

- Goal (G6-1, property1 is appropriate for spec1)

- Strategy (S7-1, Argument over the source of the property1 definition)

- Context (C6-1, Source is given by property1.source)

- Goal (G7-1, Source1 is appropriate and trustworthy)

- Solution (Sn1-1, source1)

- Goal (G8-1, property1 definition is sufficient)

- Solution (Sn2-1, property1)

- Goal (G3-2, operational hazard2 is mitigated)

- Strategy (S4-2, Argument over the applied scenarios of operational hazard2)

- Context (C3-2, All related scenarios are given by operational hazard2)

- Goal (G4-2, operational hazard2 is mitigated under scenario2)

- Strategy (S5-2, Argument over all specs related to scenario2)

- Context (C4-2, All related specs are given by scenario2.spec.allInstances())

- Goal (G5-2, spec2 is appropriate for scenario2)

- Strategy (S6-2, Argument the appropriateness of spec2 over properties)

- Context (C5-2, Properties are given by spec2.property.allInstances())

- Goal (G6-2, property2 is appropriate for spec2)

- Strategy (S7-2, Argument over the source of the property2 definition)

- Context (C6-2, Source is given by property2.source)

- Goal (G7-2, Source2 is appropriate and trustworthy)

- Solution (Sn1-2, source2)

- Goal (G8-2, property2 definition is sufficient)

- Solution (Sn2-2, property2)

- Strategy (S2, Argument over reliability in all suitable levels of GPCA system)

- [Undeveloped]

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In this tree structure, each element is denoted by a dash (-) and is nested under its parent element to reflect the hierarchical relationship. All placeholders have been instantiated wherever required, and undeveloped strategies are indicated as `[Undeveloped]`.