```
classdef HybridEngine
    %HYBRIDENGINE This class is meant to encapsulate all the aspects of a
    %designed hybrid engine, and methods to calculate derived properties.
    %   Detailed explanation goes here

    properties
        nozzle
        oxidizer_tank
        combustion_chamber
    end

    methods
        function obj=set.nozzle(obj,noz)
            assert(class(noz)=='Nozzle', 'The nozzle must be input as a Nozzle obj
            obj.nozzle=noz;
        end
        function obj=set.oxidizer_tank(obj,ox_tank)
            assert(class(ox_tank)=='OxidizerTank', 'The oxidizer tank must be inpu
            obj.oxidizer_tank=ox_tank;
        end
        function obj=set.combustion_chamber(obj,comb_cham)
            assert(class(comb_cham)=='CombustionChamber', 'The combustion chamber
            obj.combustion_chamber=comb_cham;
        end
        function dynamic_properties=simulate(obj)
            dynamic_properties=obj;
        end
    end

end
```

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