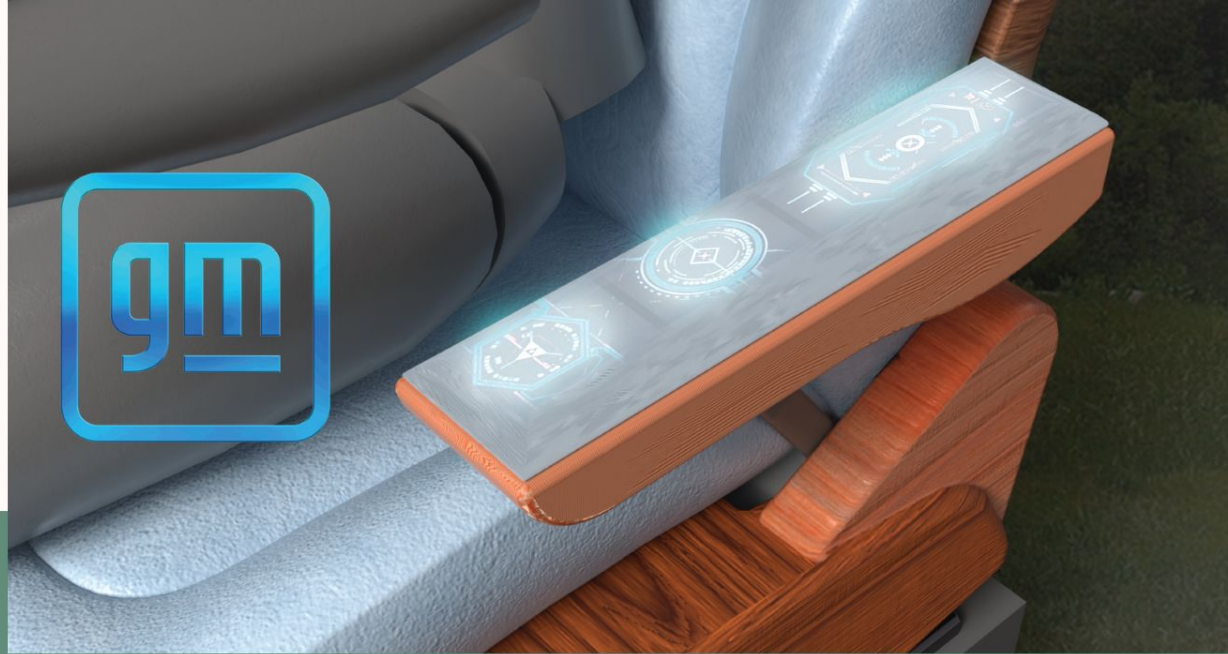


# *Hiking Indoors*



**Tanner Pelkey & Ruby Park**  
Material Science Sprint  
Summer CMF\_X 2022



# *Project Dirección 01.*

**Tanner Pelkey & Ruby Park**  
Material and Science Sprint  
Summer CMF\_X 2022

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# *General Motors*

## *2035*

Bio-degradable interior materials

Have level five autonomous technology

100 percent renewable energy manufacturing





## *About Claire Menard*

Recently moved from Colorado to Los Angeles for her career

Hobbies: Hiking, kayaking, reading by a fire, bird watching, taking her grandchildren on adventures

Communes about an hour to work

Enjoys the digital disconnect that nature provides

*Proto Persona*





## *Serene Nest*

*Mist Blue*

*Cool Pine Green*

*Turtle Shell Green*

*Red Wood*

*Salmon Pink*

# *Material Exploration 02.*

**Tanner Pelkey & Ruby Park**  
Material Science Sprint  
Summer CMF\_X 2022

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# *Wood Base Fiber Tencel*



Cut the tree into logs

Break them down into  
small wood bits

Dissolve into wood pulp

Spin the wood fibers



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# *Adobe Sampler*

- Tencel fabric textile
- Weaved to Mimic Wood Grain
- Dense Weave- easy to clean

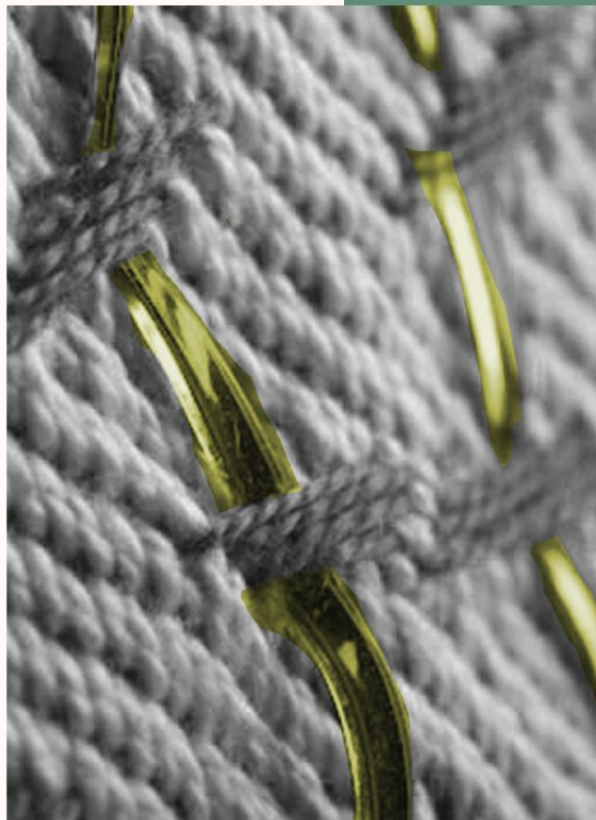






# *Piezoelectric Fabric*

- Non-Centrosymmetric Crystal Structure
- Piezoelectric Fibers are Weaved into Fabric
- Able to Generate Electrical Charge
- Senses Conductivity & Harvests Energy
- Displays a holographic control panel



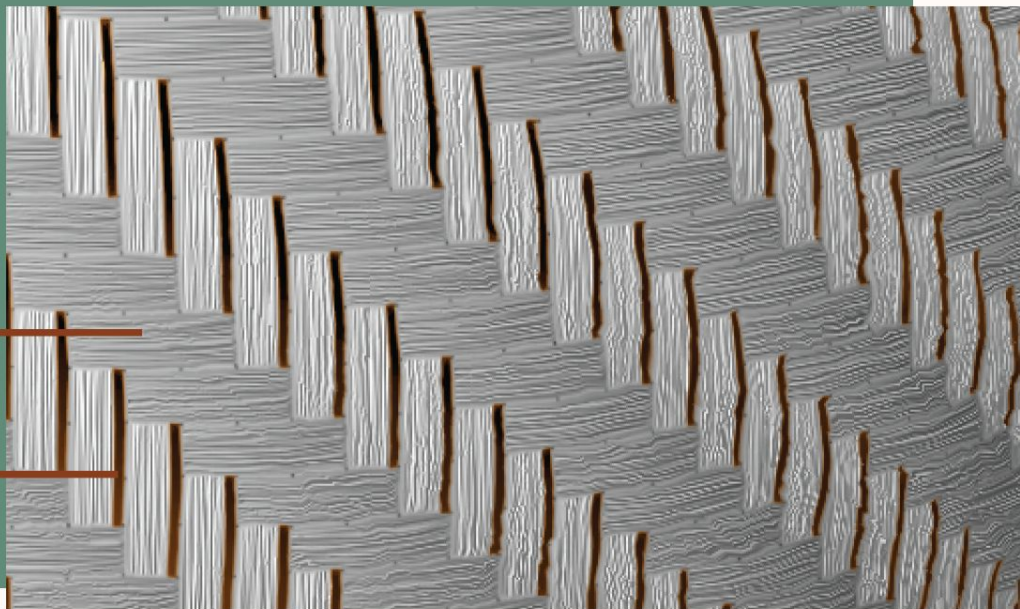


# *Adobe Sampler*

Piezoelectric Fabric

Tencel Weave

Piezoelectric Fiber





# *Apple Base Fiber Frumat*



Peel skin

Cut skin into shreds

Dissolve into apple pulp

Spin apple fibers



# *Adobe Sampler*

Frumat dye fabric

- Still Mixed with PU

-Targeting Purely Organic by 2035



# *Adobe Substance Stager 03.*

**Tanner Pelkey & Ruby Park**  
Material Science Sprint  
Summer CMF\_X 2022

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*Serene Nest  
Activated*



