The Built Environment

51% Total U.S. energy

55% Total U.S. CO₂
U.S. Energy Demand

51%  
Built Environment

27%  
Transport

22%  
Industry

Source: EIA, CalStar analysis
## U.S. Energy

<table>
<thead>
<tr>
<th>Category</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Built Environment</td>
<td>51%</td>
</tr>
<tr>
<td>Residential</td>
<td>22%</td>
</tr>
<tr>
<td>Commercial</td>
<td>17%</td>
</tr>
<tr>
<td>Operations</td>
<td>39%</td>
</tr>
<tr>
<td>Buildings</td>
<td>9%</td>
</tr>
<tr>
<td>Infra</td>
<td>3%</td>
</tr>
<tr>
<td>Materials</td>
<td>12%</td>
</tr>
</tbody>
</table>

*Source: EIA, CalStar analysis*
Existing Buildings

Operations
50% less energy

Retrofit Materials
50% less energy

All New Buildings

Operations
Net-Zero energy

New Materials
50% less energy
USA Construction Cash to 2030

2010
300Bn sf

Demolish
50Bn sf

Remodel
150Bn sf

Build new
100Bn sf

2030
400Bn sf

75% touched

$40T new construction

+$15T retrofit

U.S. Building Inventory
4B tons of CO₂, negative cost

...all green building materials & technologies

Sources: McKinsey & Co.
Everything in the built environment can be reinvented.
think zero
zero-energy homes

ZETA produces net zero energy, precision-built housing for urban infill and new sustainable communities. We build off-site to maximize efficiencies, performance and quality while providing a scalable solution to climate change.
External Shading
Photovoltaics
Daylighting
Solar thermal
High-performance windows
Air recirculation
Ultra insulation
Passive cool & heat
Thermal recycling
Thermal mass
Heat storage
Heat pump
Net Zero Energy
Zero Carbon
Sustainable & Healthy
Water Conservancy
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ZETA Fabrication